



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

SPECTRUM SERIES FUNCTIONAL TEST PLATFORM PRICE LIST

Unless noted otherwise. All North American prices are FOB/ExWorks - Origin. All others are DAP Destination

Payment terms unless otherwise noted are 30 days.

Price, product design, configuration and specifications subject to change without notice.



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

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SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

SPECTRUM SERIES TABLE OF CONTENTS

Section A: PACKAGED SPECTRUM SERIES TEST SYSTEMS
Section B: SPECTRUM SERIES SYSTEM CORE AND MECHANICS
Section C: SYSTEM INPUT POWER CONFIGURATION AND
SUBSYSTEM OPTIONS
Section D: CHASSIS OPTIONS
Section E: COMPUTER GROUP
Section F: RECEIVER INTERFACE OPTIONS
Section G: POWER SUPPLY INTEGRATION KITS AND MODULES
Section H: INSTRUMENTATION OPTIONS
Section I: SPECTRUM CROSS-POINT MATRIX OPTIONS
Section J: SOFTWARE OPTIONS
Section L: SPARES
Section M: SERVICES & SUPPORT OFFERINGS
Section N: MISC. OPTIONS
Section O: TRAINING
Section P: CTS SYSTEMS AND TPSs



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

Warranty notes

Standard hardware and software is defined to be that listed in the Price List with Teradyne Part Numbers.

TERMS AND CONDITIONS

The pricing contained in this catalog is based on Teradyne's standard Terms and Conditions which can be found on our website:
<https://www.teradyne.com/defense-aerospace-terms-of-sale/>

WARRANTY

These notes applicable to the warranty do not replace any warranty statement but are notes in addition to standard warranty statements.

1. Software warranty is 1 year. The software shipped with the test system has one year of software support included in the purchase price of the test system.
2. For non-standard (not in the price list) OEM hardware, Teradyne will provide one year of exact swap support (E-Swap). This one year commences upon shipment or installation, if installed by Teradyne. E-Swap support is the repair and return of the same instrument sent in for repair. For non-standard (not in the price list) OEM software, Teradyne will pass on to the customer the warranty of the manufacturer. This will be the full warranty or whatever is remaining on it at the time of shipment.

INSTALLATION

1. Prices for systems and options ordered with systems include installation by Teradyne Global Field Service.
2. If the customer wishes Teradyne Field Service to install hardware and software options and upgrades ordered subsequent to system order, installation must be quoted at standard rates. Exceptions to this are options where installation is specifically stated as included.
3. For non-standard (not in the Price List) OEM hardware and / or software, installation is not included unless specifically quoted.



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------|-------------|------------|
|--------|-------------|------------|

Policy Statements

1. All customers are required to sign a Teradyne Software License Agreement.
2. Shipments are made F.O.B.(Exworks) Factory (North Reading).
3. This information is proprietary to Teradyne, and is to be used only for the purpose of preparing quotations or placing orders for the products listed herein.
4. If non-standard (not in the Price List) OEM instrumentation and/or software is provided as part of a Spectrum Series system quotation, Teradyne policy is to quote at 33% (x1.33) mark-up over the OEM's published U.S. list price. When the non-standard OEM instrumentation and/or software plus ICA and ITA cable kit price exceeds 30% of the total recurring system price, the price of the non-standard OEM instrumentation and/or software will be marked up an additional 50% (x1.5), for a total markup of 99.5% (*1.995)Integration and handling charges are quoted separately.
5. If non-standard (not in Price List) miscellaneous integration materials (e.g. cables, connectors, tools, computer components, Card Cages and mechanical assemblies) are provided as part of a quotation, Teradyne policy is to quote at 150% (x 2.5) mark-up over OEM published U.S. list price. Integration charges are quoted separately.
6. For Third Party Services, Teradyne's policy is to quote 66% (x1.66) mark up over OEM published U.S. list prices for all third party services incorporated into any support agreement.
7. For all non-Teradyne manufactured instruments purchased after the system is purchased (installed & spares), the price will be marked up an additional 50%. Non-Teradyne manufactured spares purchased with a new system will be marked up an additional 50%.
8. For all customer furnished instrumentation (CFE/CFM) there will be a processing, handling, and integration charge equal to 25% of the vendor list price for the item. If more than 2 of the same instrument are provided to Teradyne as CFE/CFM for the same order, and same delivery time, instruments after the first 2 will have the CFE/CFM capped at \$1000 per additional instrument. When the non-standard OEM instrumentation and/or software plus ICA and ITA cable kit price exceeds 30% of the total recurring system price when priced per policy statements 4 & 5, or the CFE/CFM is supplied to Teradyne independent of a system purchase, the price of the customer furnished instruments will be marked up an additional 50% (x1.5), for a total markup of 37.5% (*1.375). Teradyne does not calibrate CFE/CFM instruments as part of the integration.
9. For all customer furnished miscellaneous integration materials (CFE/CFM) such as cables, connectors, tools, computer



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

components, Card Cages and mechanical assemblies, there will be a processing, handling, and integration charge equal to 100% of the vendor list price for the item. If more than 2 of the same item are provided to Teradyne as CFE/CFM for the same order, and same delivery time, items after the first 2 will have the CFE/CFM capped at \$1000 per additional item.

10. Third party NRE (Non-Recurring Engineering) required to implement custom solutions will be marked up 100% over Teradyne cost.
11. Support Agreements less than 1 year in duration may be subject to a 10% administrative fee.
12. For ITA's and associated materials (Adapters, cables, load boards) that are delivered with, or in support of a Teradyne developed TPS, Teradyne policy is to quote at 100% (x2.0) mark-up over vendor list price for the materials, or completed ITA assembly. Design and integration of the ITA is quoted separately
13. When Teradyne provides pricing beyond 60 days, pricing will be escalated based on the current financial outlook.
14. For support contracts that are based on list price, the list price is determined by taking the list price at the time of the most recent sale or quotation and escalating based on an annual escalator.
15. All orders are subject to a minimum order value of \$1,000.
16. For Spectrum Series Systems which include Preconfigured RF Options additional 3rd party instrument or software content that is not in the RF option or the Price List is marked up 33% over published U.S. list price for the first \$100,000 of content. When this content exceeds \$100,000, the markup for all additional 3rd party content will be 99.5%. Integration and handling charges are quoted separately.



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------|-------------|------------|
|--------|-------------|------------|

Section A: PACKAGED SPECTRUM 9100 TEST SYSTEMS

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|------------|---|-------------------|
| 711-987-00 | SPECTRUM 9100 L3XX REPLACEMENT CONFIGURATION VERSION 2.0 | \$ 1961730 |
|------------|---|-------------------|

2.0

Fully configured Spectrum 9100 2 bay Foundation Test System including:

System Core and Mechanics

System based on a 19 inch rack with covers, one expansion bay, power distribution, provisions for expansion:

- Virginia Panel series 90 double tier receiver
- System controller group
 - Windows PC
 - Flat panel display & Computer Cart
- PCI MXI-Express and PCI-GPIB controller & cables
- 20 KVA Power conditioning and distribution unit
- Pulizzi 3 Phase 208V to 120V/208V breakout unit
- VXI 5.7KW Chassis w/ MXI Express Trigger Board
- 13-slot C-size VXI card cage (Racal 1261B)
- Integrated active cooling with air filtration
- Thermal overload sensing
- Rear & side doors w/EMI gasket
- Power box w/EMI suppression
- EMO on back of Tester
- Instrument power strips
- Wooden shipping crate
- Complete cable set to connect instruments to Virginia Panel Series 90 double tier receiver

Instrumentation

Instrumentation provided to emulate the features provided by Teradyne L-Series testers.

System Software

- Spectrum 9100 Software
 - TestStudio
 - Instrument Drivers
 - Confidence Test & Wire Verification Test

Note

Availability of configured systems is based on the status of commercial instrumentation and may contain refurbished or a qualified replacement with similar specifications.



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 618-396-00 | 9105 FOUNDATION TEST SYSTEM W/DOORS & AI-762-10 GEN 2 ANALOG TEST INSTRUMENT FEATURING 8 CHANNELS OF MULTI-FUNCTION ANALOG AND A 6.5 DIGIT DMM This Spectrum 9100 bundle includes the S9-100-00 Spectrum 9105 foundation test system with an Ai-762-10 Gen 2 Multi-Function Analog (MFA) test instrument. When ordered with a computer group, VXI Chassis, and receiver, the Ai-762-10 includes standard installation in the system with the standard Spectrum 9100 Confidence and Wire Verification Test. | \$ 218820 |
| 618-397-00 | 9105 FOUNDATION TEST SYSTEM W/DOORS & AI-762-20 GEN 2 ANALOG TEST INSTRUMENT FEATURING 8 CHANNELS OF MULTI-FUNCTION ANALOG, 6.5 DIGIT DMM & DSO This Spectrum 9100 bundle includes the S9-100-00 Spectrum 9105 foundation test system with an Ai-762-20 Gen 2 Multi-Function Analog (MFA) test instrument, 6.5 digital DMM, and 2-channel DSO all in 1 analog slot. When ordered with a computer group, VXI Chassis, and receiver, the Ai-762-20 includes standard installation in the system with the standard Spectrum 9100 Confidence and Wire Verification Test. The Spectrum 9100 implementation of the DSO routes the "B" channels of the DSO to the Spectrum 9100 control panel for easy access when connecting the scope probe to the Ai-760 DSO. The second display can be used to display the DSO waveforms, making the Ai-760 a debug tool capable of replacing a much larger rack mounted oscilloscope. NOTE: Requires ordering a computer cart and two flat panel displays, or a flat panel display with a swing arm, plus one additional display | \$ 236030 |
| 618-400-00 | 9105 FOUNDATION TEST SYSTEM W/O DOORS & AI-762-10 GEN 2 ANALOG TEST INSTRUMENT FEATURING 8 CHANNELS OF MULTI-FUNCTION ANALOG AND A 6.5 DIGIT DMM This Spectrum 9100 bundle includes the S9-100-05 Spectrum 9105 foundation test system with an Ai-762-10 Gen 2 Multi-Function Analog (MFA) test instrument and 6.5 digital DMM all in 1 analog slot. When ordered with a computer group, VXI Chassis, and receiver, the Ai-762-10 includes standard installation in the system with the standard Spectrum 9100 Confidence and Wire Verification Test. | \$ 218820 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 618-401-00 | <p>SPECTRUM 9105 FOUNDATION TEST SYSTEM W/O DOORS & AI-762-20 GEN 2 ANALOG TEST INSTRUMENT FEATURING 8 CHANNELS OF MULTI-FUNCTION ANALOG</p> <p>This Spectrum 9100 bundle includes the S9-100-05 Spectrum 9105 foundation test system with an Ai-762-20 Gen 2 Multi-Function Analog test instrument, 6.5 digital DMM, and 2-channel DSO all in 1 analog slot. When ordered with a computer group, VXI Chassis, and receiver, the Ai-762-20 includes standard installation in the system with the standard Spectrum 9100 Confidence and Wire Verification Test. The Spectrum 9100 implementation of the DSO routes the "B" channels of the DSO to the Spectrum 9100 control panel for easy access when connecting the scope probe to the Ai-760 DSO. The second display can be used to display the DSO waveforms, making the Ai-760 a debug tool capable of replacing a much larger rack mounted oscilloscope.</p> <p>NOTES: Requires ordering a computer cart and two flat panel displays, or a flat panel display with a swing arm, plus one additional display.</p> | \$ 236220 |
| CU-707-01 | <p>SPECTRUM 9100 2 BAY MECHANICAL CORE SYSTEM</p> <p>The Mechanical Core System is a Spectrum 9100 Test Station Foundation without the software and integration services provided with a standard Spectrum 9100 system. Key features include:</p> <p>Two bay core with:</p> <ul style="list-style-type: none">• 20 KVA Power conditioning and distribution unit• Pulizzi 3 Phase 208V to 120V/208V breakout unit• Integrated active cooling with air filtration• Monitor arm and CPU cradle• Thermal overload sensing• Rear & side doors w/EMI gasket• Power box w/EMI suppression• Modular design• Rack mounted control panel with Power (Main & Test Station) and EMO control, guided probe, GPIB, and ground strap connection• EMO on back of Tester• Instrument power strips• Proven mechanical tether and electrical interface• Wooden shipping crate• Blank and feed-through panels for unused rack areas | \$ 132440 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|--|------------------|
| CU-707-03 | <p>SPECTRUM 9100 2 BAY TETHERED EXPANSION CART</p> <p>The Tethered Expansion Cart is designed to work with the CU-707-01 Mechanical Core System. Key features of the Tethered Expansion Cart include:</p> <p>Two bay tethered expansion cart with:</p> <ul style="list-style-type: none">• 10 KVA Power conditioning and distribution unit• Integrated active cooling with air filtration• Thermal overload sensing• Rear & side doors w/EMI gasketing• Power box w/EMI suppression• Modular design• EMO on back of Cart• Instrument power strips• Proven mechanical tether and electrical interface (GPIB, Control & Hubble Type Power Connection)• Wooden shipping crate• Blank and feed-through panels for unused rack areas• Two bay wide shelf with minimum capacity of 100 Lbs | \$ 124040 |
| 673-878-00 | <p>PRECONFIGURED 144 DIGITAL CHANNEL FOUNDATION KIT</p> <p>The 144 digital channel tester kit contains combines several catalog items for purchasing convenience. This kit would be used by someone who prefers to use their own documentation, test executive, station monitoring and fan speed control solution, and system checkers consisting of</p> <p>(1) CU-707-01 SPECTRUM 9100 2 BAY MECHANICAL CORE SYSTEM (1) 608-223-02 TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS DOUBLE TIER KIT (3) 626-414-01Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 626-417-00 Di-Series Generation 2 Utility Instrument (DI-050-31) w/VPC Interface (1) Di-002-16 DI-SERIES GUIDED PROBE AND CABLE KIT with 48" Ribbon Cable Length (1) 612-271-00 SPECTRUM CROSSPOINT MATRIX CHASSIS II (LXI) (2) M-903-01 SCPM 12-PORT INSTRUMENT MODULE (3) M-903-04 SCPM 48-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY (1) Bi-410-00 4 MODULE BUS TEST INSTRUMENT (1) CU-708-46 VDATS 4 CHAN BTI ICA KIT</p> | \$ 775800 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 673-879-00 | <p>PRECONFIGURED 144 DIGITAL CHANNEL FOUNDATION KIT WITH EXPANSION CART</p> <p>The 144 digital channel tester kit contains combines several catalog items for purchasing convenience. This kit would be used by someone who prefers to use their own documentation, test executive, station monitoring and fan speed control solution, and system checkers consisting of</p> <p>(1) CU-707-01 SPECTRUM 9100 2 BAY MECHANICAL CORE SYSTEM (1) 608-223-02 TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS DOUBLE TIER KIT (3) 626-414-01Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 626-417-00 Di-Series Generation 2 Utility Instrument (DI-050-31) w/VPC Interface (1) Di-002-16 DI-SERIES GUIDED PROBE AND CABLE KIT with 48" Ribbon Cable Length (1) 612-271-00 SPECTRUM CROSSPOINT MATRIX CHASSIS II (LXI) (2) M-903-01 SCPM 12-PORT INSTRUMENT MODULE (3) M-903-04 SCPM 48-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY (1) Bi-410-00 4 MODULE BUS TEST INSTRUMENT (1) CU-708-46 VDATS 4 CHAN BTI ICA KIT (1) CU-707-03 SPECTRUM 9100 2 BAY TETHERED EXPANSION CART</p> | \$ 899820 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|-------------------|
| 673-880-00 | <p>PRECONFIGURED 336 DIGITAL CHANNEL FOUNDATION KIT</p> <p>The 336 digital channel tester kit contains combines several catalog items for purchasing convenience. This kit would be used by someone who prefers to use their own documentation, test executive, station monitoring and fan speed control solution, and system checkers consisting of</p> <p>(1) CU-707-01 SPECTRUM 9100 2 BAY MECHANICAL CORE SYSTEM (1) 608-223-02 TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS DOUBLE TIER KIT (7) 626-414-01Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 626-417-00 Di-Series Generation 2 Utility Instrument (DI-050-31) w/VPC Interface (1) Di-002-16 DI-SERIES GUIDED PROBE AND CABLE KIT with 48" Ribbon Cable Length (1) 612-271-00 SPECTRUM CROSSPOINT MATRIX CHASSIS II (LXI) (2) M-903-01 SCPM 12-PORT INSTRUMENT MODULE (7) M-903-04 SCPM 48-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY (1) Bi-410-00 4 MODULE BUS TEST INSTRUMENT (1) CU-708-46 VDATS 4 CHAN BTI ICA KIT</p> | \$ 1285720 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-------------------|
| 673-881-00 | <p>PRECONFIGURED 336 DIGITAL CHANNEL FOUNDATION KIT WITH EXPANSION CART</p> <p>The 336 digital channel tester kit contains combines several catalog items for purchasing convenience. This kit would be used by someone who prefers to use their own documentation, test executive, station monitoring and fan speed control solution, and system checkers consisting of</p> <p>(1) CU-707-01 SPECTRUM 9100 2 BAY MECHANICAL CORE SYSTEM (1) 608-223-02 TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS DOUBLE TIER KIT (7) 626-414-01 Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 626-417-00 Di-Series Generation 2 Utility Instrument (DI-050-31) w/VPC Interface (1) Di-002-16 DI-SERIES GUIDED PROBE AND CABLE KIT with 48" Ribbon Cable Length (1) 612-271-00 SPECTRUM CROSSPOINT MATRIX CHASSIS II (LXI) (2) M-903-01 SCPM 12-PORT INSTRUMENT MODULE (7) M-903-04 SCPM 48-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY (1) Bi-410-00 4 MODULE BUS TEST INSTRUMENT (1) CU-708-46 VDATS 4 CHAN BTI ICA KIT (1) CU-707-03 SPECTRUM 9100 2 BAY TETHERED EXPANSION CART</p> | \$ 1409760 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|-------------------|
| 673-882-00 | <p>PRECONFIGURED 528 DIGITAL CHANNEL FOUNDATION KIT</p> <p>The 528 digital channel tester kit contains combines several catalog items for purchasing convenience. This kit would be used by someone who prefers to use their own documentation, test executive, station monitoring and fan speed control solution, and system checkers consisting of</p> <p>(1) CU-707-01 SPECTRUM 9100 2 BAY MECHANICAL CORE SYSTEM (1) 608-223-02 TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS DOUBLE TIER KIT (11) 626-414-01Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 626-417-00 Di-Series Generation 2 Utility Instrument (DI-050-31) w/VPC Interface (1) Di-002-16 DI-SERIES GUIDED PROBE AND CABLE KIT with 48" Ribbon Cable Length (1) 612-271-00 SPECTRUM CROSSPOINT MATRIX CHASSIS II (LXI) (2) M-903-01 SCPM 12-PORT INSTRUMENT MODULE (11) M-903-04 SCPM 48-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY (1) Bi-410-00 4 MODULE BUS TEST INSTRUMENT (1) CU-708-46 VDATS 4 CHAN BTI ICA KIT</p> | \$ 1795650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 673-883-00 | <p>PRECONFIGURED 528 DIGITAL CHANNEL FOUNDATION KIT WITH EXPANSION CART</p> <p>The 528 digital channel tester kit contains combines several catalog items for purchasing convenience. This kit would be used by someone who prefers to use their own documentation, test executive, station monitoring and fan speed control solution, and system checkers consisting of</p> <p>(1) CU-707-01 SPECTRUM 9100 2 BAY MECHANICAL CORE SYSTEM (1) 608-223-02 TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS DOUBLE TIER KIT (11) 626-414-01Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 626-417-00 Di-Series Generation 2 Utility Instrument (DI-050-31) w/VPC Interface (1) Di-002-16 DI-SERIES GUIDED PROBE AND CABLE KIT with 48" Ribbon Cable Length (1) 612-271-00 SPECTRUM CROSSPOINT MATRIX CHASSIS II (LXI) (2) M-903-01 SCPM 12-PORT INSTRUMENT MODULE (11) M-903-04 SCPM 48-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY (1) Bi-410-00 4 MODULE BUS TEST INSTRUMENT (1) CU-708-46 VDATS 4 CHAN BTI ICA KIT (1) CU-707-03 SPECTRUM 9100 2 BAY TETHERED EXPANSION CART</p> | \$ 1919680 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|---|------------------|
| RF-100-00 | <p>COMPACT PRECONFIGURED RF OPTION</p> <p>The RF-100-00 Compact Preconfigured RF Option provides RF capability to the Spectrum HS 652-753-00 system or the Spectrum BT 650-404-00. This RF option combines several RF, analog, switching instruments, and system integration to provide a generic functional test solution for RF applications up to 26.5GHz.</p> <p>The RF-100-00 is preconfigured with the following instruments</p> <ul style="list-style-type: none">• (1) ZT4611PXI OSCILLOSCOPE 4 GS/S, 1 GHZ, 8 BITS, 2 CH, 512 MS• (1) 6.5-digit PXI Digital Multimeter• (1) Keysight U2063XA Power Meter USB• (2) Keysight M9805A Vector Network Analyzer (Each two-port pair can be configured as a Vector Network Analyzer, a Signal Generator, or a Spectrum Analyzer)• (2) PXIe Microwave Relays, 26.5GHz, 50? SMA 4 x Changeover (SPDT)• (1) Matrix Module, 64x4, 1-Pole, 2A <p>The RF-100-00 Compact Preconfigured RF Option described above includes system checkers, wire verification test, and all cables and adapters required for integration with the Spectrum HS 652-753-00 or Spectrum BT 650-404-00.</p> | \$ 755130 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|---|-------------------|
| RF-200-00 | <p>FULL-FEATURED PRECONFIGURED RF OPTION</p> <p>The RF-200-00 Full-Featured Preconfigured RF Option provides RF capability to the Spectrum HS 652-753-00 system. This RF option combines several RF, analog, switching instruments, and system integration to provide a generic functional test solution for RF applications up to 20GHz.</p> <p>The RF-200-00 is preconfigured with the following instruments :</p> <ul style="list-style-type: none">• (1) ZT4611PXI OSCILLOSCOPE 4 GS/S, 1 GHZ, 8 BITS, 2 CH, 512 MS• (1) ZT5211-01PXI WAVEFORM GENERATOR 200 MS/S, 50 MHZ, 14 BITS, 2 CH, 32 MS• (1) 6.5-digit PXI Digital Multimeter• (1) Keysight N1913A Single-Channel Average Power Meter• (2) Keysight E4413 Wide Dynamic Range Power Sensors• (1) Keysight E8257D-520 High Performance Signal Generator• (1) Keysight N5173B-520 Signal Generator• (1) Keysight N9020B-526 Spectrum Analyzer• (1) Keysight E5080B-2K0 Vector Network Analyzer• (2) PXIe Microwave Relays, 26.5GHz, 50Ohm SMA 4 x Changeover (SPDT)• (2) PXIe Microwave Multiplexer, Triple SP4T 26.5GHz, 50Ohm SMA• (1) Matrix Module, 64x4, 1-Pole, 2A <p>The RF-200 Full-Featured Preconfigured RF Option described above includes Spectrum HS Expansion frame to provide space for the rackmount instruments, system checkers, wire verification test, and all cables and adapters required for integration with the Spectrum HS 652-753-00.</p> | \$ 1092250 |
| 658-734-00 | <p>GUARDIAN E-TPT</p> <p>This portable, ruggedized system allows users to perform Flight Line Verification testing. This system is ITAR controlled and is subject to all DDTC regulations</p> | \$ 401700 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------------|
| 703-418-00 | <p>TER-204 GUARDIAN O-LEVEL PXIE AUTOMATED TEST PLATFORM</p> <p>System Core and Mechanics Guardian is a configurable and scalable common ATE platform that supports operational level test applications with PXIe instrumentation. Designed as 1-person lift for class 2 environmental operation, Guardian provides a fully integrated solution that can support digital, analog RF and optical test requirements. The platform includes:</p> <ul style="list-style-type: none">• Ruggedized and sealed enclosure• Integrated, glove capable, 10.4-inch touchscreen display with FHD 800 x 600 resolution• 4-slot PXIe chassis• 400 W power supply• Trusted computing Windows OS computer with removable SSD• Optional tethered rugged tablet for remote desktop connection <p>System Software and Documentation</p> <ul style="list-style-type: none">• TestStudio Test Executive Software• HSSub TriFlex Software and Drivers• Self-test Software• Online Documentation <p>Service & Support One (1) year of support that includes:</p> <ul style="list-style-type: none">• One Year Warranty• 90 days Advanced Replacement Service• Service documentation | \$ 136390 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------|-------------|------------|
|--------|-------------|------------|

Section B: SPECTRUM 9100 SYSTEM CORE AND MECHANICS

SPECTRUM 9100 SYSTEM CORE AND MECHANICS

SPECTRUM 9105 Foundation Test Platform

The SPECTRUM 9105 Foundation Test Platform is the fundamental building block and core of the SPECTRUM 9100-Series of testers. This system core has been specially engineered to serve as a flexible platform that meets the demands of virtually any test system configuration: from small 1-bay systems targeted at low-mix/high-volume applications to the large general purpose multi-bay systems with high power needs such as those employed in military/aerospace applications.

This system core includes the basic infrastructure and system mechanics that support the integration of any standard pricelist option. These options include expansion frames, numerous instrument packages, and externally mounted peripherals. By adhering to industry standards in core's design, Teradyne has ensured that the system can accept virtually any commercially available test asset. This allows Teradyne or the customer to easily customize and reconfigure the system to provide applications specific test solutions.

The SPECTRUM 9105 has been designed to meet the stringent requirements of the Common European Community. The system has been tested and received CE certification for any combination of standard options. Design features such as tempered EMI conductive glass, EMI gaskets, and integrated grounding provisions contribute to the SPECTRUM 9100's low radiated emissions.

Other features include an integrated universal T-slotted extrusion for the external mounting of accessories and peripherals, and the system control panel which includes: power control, emergency off switch, diagnostic probe, and thermal sensing and shutdown.

The SPECTRUM 9105 also includes the complete SPECTRUM 9000-Series software package including the TestStudio development, execution, and documentation environment, and drivers for Teradyne manufactured instrumentation including Digital diagnostic tools.

The SPECTRUM 9105 can be ordered as follows:



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|------------|
| S9-100-00 | <p>SPECTRUM 9105 FOUNDATION TEST SYSTEM</p> <p>Spectrum 9100 Foundation Test System including:</p> <p>System Core and Mechanics</p> <p>Spectrum infrastructure and frame system based on a 19 inch rack with rear and side covers, front side doors with their conductive glass, power routing, System Manager controlled cooling subsystem, System Manager ICA Interlock and expansion provisions.</p> <p>SPECTRUM 9100 System Software</p> <ul style="list-style-type: none">• TestStudio: TestStudio software provides an integrated environment for the development, debugging, documentation, and execution of functional test programs. TestStudio can directly control a wide range of development environments, including Microsoft Visual Studio, National Instruments LabVIEW and LabWindows CVI. TestStudio can also integrate with standard software programs for tasks such as charting, database management, and enterprise-wide data integration. TestStudio employs Web technology to provide a versatile user interface with familiar browsing and hyperlinking methodology. The functionality and appearance of TestStudio comes complete and ready to run, and is easily customizable.• Instrument drivers for all instruments in this price catalog that are purchased as part of the system configuration• iStudio graphical development and debugging environment• TestStudio Add-ins for many popular instruments• LSRTAP input reader software• SVF input reader software• Boundary-Scan Intelligent Diagnostics (BSID) | \$ 175450 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

SPECTRUM 9105 FOUNDATION TEST SYSTEM CONTINUED:

SPECTRUM On-line Documentation

Available from the start menu, the online documentation covers all Teradyne products and provides searchable, fully indexed, context-sensitive help for safety, maintenance, and checkers procedures. The online documentation simplifies system integration and operation by providing full-text searching and comprehensive, hyper-linked indexing, which enable quick cross-referencing between Teradyne instrument and system manuals.

SPECTRUM 9100 Checkers

The SPECTRUM 9100 Checkers provide an integrated confidence test and wire verification capability. The confidence test provides quick verification that each instrument in the system is operational and passing its internal self-test. The wire verification checks continuity from the instrument to the receiver interface.

Hotline & Software Support Agreement

One (1) year of support that includes:

- Software updates
- Self-test software for instruments in this catalog unless otherwise noted
- TestStudio software
- Diagnostic software
- Documentation updates
- System Performance Reporting (SPR) service
- Access to the Teradyne Software Support Center
- Customer Bulletins
- Second year HSSA available at \$10,370

Service & Support:

One (1) year of support that includes:

- One Year Warranty
- 90 days Advanced Replacement Service
- Service documentation



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 626-102-01 | <p>SPECTRUM HS FOUNDATION SYSTEM Spectrum HS Foundation Test System including:</p> <p>System Core and Mechanics</p> <p>Spectrum infrastructure and frame system based on a 19 inch rack with rear and side covers, front side trim kit, power routing, System Manager controlled cooling subsystem, System Manager ICA Interlock and expansion provisions. This foundation system comes full a Teradyne 18-slot PXI Chassis, associated controllers and cables and either an industrial 4U rack mounted, or tower computer.</p> <p>SPECTRUM HS System Software</p> <ul style="list-style-type: none">• TestStudio: TestStudio software provides an integrated environment for the development, debugging, documentation, and execution of functional test programs. TestStudio can directly control a wide range of development environments, including Microsoft Visual Studio, National Instruments LabVIEW and LabWindowsCVI. TestStudio can also integrate with standard software programs for tasks such as charting, database management, and enterprise-wide data integration. TestStudio employs Web technology to provide a versatile user interface with familiar browsing and hyperlinking methodology. The functionality and appearance of TestStudio comes complete and ready to run, and is easily customizable.• Instrument drivers for all instruments in this price catalog that are purchased as part of the system configuration• iStudio graphical development and debugging environment• TestStudio Add-ins for many popular instruments• LSRTAP input reader software• SVF input reader software• Boundary-Scan Intelligent Diagnostics (BSID) <p>SPECTRUM On-line Documentation</p> <p>Available from the start menu, the online documentation covers all Teradyne products and provides searchable, fully indexed, context-sensitive help for safety, maintenance, and checkers procedures. The online documentation simplifies system integration and operation by providing full-text searching and comprehensive, hyper-linked indexing, which enable quick cross-referencing between Teradyne instrument and system manuals.</p> | \$ 129520 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------|-------------|------------|
|--------|-------------|------------|

SPECTRUM HS FOUNDATION SYSTEM CONTINUED:

SPECTRUM 9100 Checkers

The SPECTRUM HS Checkers provide an integrated confidence test and wire verification capability. The confidence test provides quick verification that each instrument in the system is operational and passing its internal self-test. The wire verification checks continuity from the instrument to the receiver interface. When ordered with a receiver interface (Section F), the included Self-evaluation fixture (SEF) wraps signals around at the receiver interface for measurement.

Hotline & Software Support Agreement

One (1) year of support that includes:

- Software updates
- Self-test software for instruments in this catalog unless otherwise noted
- TestStudio software
- Diagnostic software
- Documentation updates
- System Performance Reporting (SPR) service
- Access to the Teradyne Software Support Center
- Customer Bulletins
- Second year HSSA available at \$10370

Please note that the Spectrum HS system requires the optional front side doors with their conductive glass for the system to meet CE requirements for EMI radiation

Service & Support:

One (1) year of support that includes:

- One Year Warranty
- 90 days Advanced Replacement Service
- Service documentation



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------------|
| 652-753-00 | <p>SPECTRUM HS PRECONFIGURED FOUNDATION SYSTEM</p> <p>Spectrum HS Foundation Test System including:</p> <p>System Core and Mechanics</p> <p>Spectrum infrastructure and frame system based on a 19 inch rack with rear and side covers, front side trim kit, power routing, System Manager controlled cooling subsystem, System Manager ICA Interlock and expansion provisions. This foundation system comes with a HSSub PXI Chassis, associated controllers and cables and either an industrial 4U rack mounted, or tower computer.</p> <p>The following hardware items are included with the 652-753-00 Preconfigured Foundation System</p> <ul style="list-style-type: none">• 16 KVA 3-Phase PDU• eDigital-6020A LVTTTL with Wire Verification Test (WVT)• Single Tier G20X PXI Slide Mount Receiver• WVT ITA• Computer Cart with Display <p>SPECTRUM HS System Software</p> <ul style="list-style-type: none">• TestStudio: TestStudio software provides an integrated environment for the development, debugging, documentation, and execution of functional test programs. TestStudio can directly control a wide range of development environments, including Microsoft Visual Studio, National Instruments LabVIEW and LabWindowsCVI. TestStudio can also integrate with standard software programs for tasks such as charting, database management, and enterprise-wide data integration. TestStudio employs Web technology to provide a versatile user interface with familiar browsing and hyperlinking methodology. The functionality and appearance of TestStudio comes complete and ready to run, and is easily customizable. <ul style="list-style-type: none">• Instrument drivers for all instruments in this price catalog that are purchased as part of the system configuration• iStudio graphical development and debugging environment• TestStudio Add-ins for many popular instruments• LSRTAP input reader software• SVF input reader software• Boundary-Scan Intelligent Diagnostics (BSID) | \$ 190580 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------|-------------|------------|
|--------|-------------|------------|

SPECTRUM HS PRECONFIGURED FOUNDATION SYSTEM CONTINUED:

SPECTRUM On-line Documentation

Available from the start menu, the online documentation covers all Teradyne products and provides searchable, fully indexed, context-sensitive help for safety, maintenance, and checkers procedures. The online documentation simplifies system integration and operation by providing full-text searching and comprehensive, hyper-linked indexing, which enable quick cross-referencing between Teradyne instrument and system manuals.

SPECTRUM Checkers

The SPECTRUM HS Checkers provide an integrated confidence test and wire verification capability. The confidence test provides quick verification that each instrument in the system is operational and passing its internal self-test. The wire verification checks continuity from the instrument to the receiver interface. When ordered with a receiver interface (Section F), the included Self-evaluation fixture (SEF) wraps signals around at the receiver interface for measurement.

Hotline & Software Support Agreement

One (1) year of support that includes:

- Software updates
- Self-test software for instruments in this catalog unless otherwise noted
- TestStudio software
- Diagnostic software
- Documentation updates
- System Performance Reporting (SPR) service
- Access to the Teradyne Software Support Center
- Customer Bulletins
- Second year HSSA available at \$10370

Please note that the Spectrum HS system requires the optional front side doors with their conductive glass for the system to meet CE requirements for EMI radiation

Service & Support:

One (1) year of support that includes:

- One Year Warranty
- 90 days Advanced Replacement Service
- Service documentation



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------------|
| 650-404-00 | <p>650-404-00 SPECTRUM BT 18 SLOT PXI, EDIGITAL-6020A, 1 DC SUPPLY</p> <p>Spectrum BT Foundation Test System including:</p> <p>System Core and Mechanics</p> <p>Spectrum infrastructure and frame system based on a 19 inch rack, front side trim, and power routing. System includes an 18-slot PXI chassis controlled by a 2U industrial rack mount computer. The system includes 1 eDigital-6020A digital test instrument, (1) power supply chassis with (1) 0-8V 6.25A power supply.</p> <p>SPECTRUM BT System Software</p> <ul style="list-style-type: none">• TestStudio: TestStudio software provides an integrated environment for the development, debugging, documentation, and execution of functional test programs. TestStudio can directly control a wide range of development environments, including Microsoft Visual Studio, National Instruments LabVIEW and LabWindows CVI. TestStudio can also integrate with standard software programs for tasks such as charting, database management, and enterprise-wide data integration. TestStudio employs Web technology to provide a versatile user interface with familiar browsing and hyperlinking methodology. The functionality and appearance of TestStudio comes complete and ready to run, and is easily customizable.• Instrument drivers for all instruments in this price catalog that are purchased as part of the system configuration• iStudio graphical development and debugging environment• TestStudio Add-ins for many popular instruments• LSRTAP input reader software• SVF input reader software• Boundary-Scan Intelligent Diagnostics (BSID) <p>SPECTRUM On-line Documentation</p> <p>Available from the start menu, the online documentation covers all Teradyne products and provides searchable, fully indexed, context-sensitive help for safety, maintenance, and checkers procedures. The online documentation simplifies system integration and operation by providing full-text searching and comprehensive, hyper-linked indexing, which enable quick cross-referencing between Teradyne instrument and system manuals.</p> | \$ 108190 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

650-404-00 SPECTRUM BT 18 SLOT PXI, EDIGITAL-6020A, 1 DC SUPPLY(CONTINUED)

Spectrum BT Foundation Test System including:

System Core and Mechanics

SPECTRUM BT Checkers

The SPECTRUM BT Checkers provide an integrated confidence test and wire verification capability. The confidence test provides quick verification that each instrument in the system is operational and passing its internal self-test. The wire verification checks continuity from the instrument to the receiver interface.

Hotline & Software Support Agreement

One (1) year of support that includes:

- Software updates
- Self-test software for instruments in this catalog unless otherwise noted
- TestStudio software
- Diagnostic software
- Documentation updates
- System Performance Reporting (SPR) service
- Access to the Teradyne Software Support Center
- Customer Bulletins
- Second year HSSA available at \$10370

On-site installation available



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 650-404-50 | <p>SPECTRUM BT 6 SLOT PXI CHASSIS, EDIGITAL-6020A, 1 DC SUPPLY</p> <p>Spectrum BT Foundation Test System including:</p> <p>System Core and Mechanics</p> <p>Spectrum infrastructure and frame system based on a 19 inch rack with front side trim, and power routing. System includes a 6-slot PXI chassis controlled by a 2U industrial rack mount computer. The system includes 1 eDigital-6020A digital test instrument, (1) power supply chassis with (1) 0-8V 6.25A power supply.</p> <p>SPECTRUM BT System Software</p> <ul style="list-style-type: none">• TestStudio: TestStudio software provides an integrated environment for the development, debugging, documentation, and execution of functional test programs. TestStudio can directly control a wide range of development environments, including Microsoft Visual Studio, National Instruments LabVIEW and LabWindows CVI. TestStudio can also integrate with standard software programs for tasks such as charting, database management, and enterprise-wide data integration. TestStudio employs Web technology to provide a versatile user interface with familiar browsing and hyperlinking methodology. The functionality and appearance of TestStudio comes complete and ready to run, and is easily customizable.• Instrument drivers for all instruments in this price catalog that are purchased as part of the system configuration• iStudio graphical development and debugging environment• TestStudio Add-ins for many popular instruments• LSRTAP input reader software• SVF input reader software• Boundary-Scan Intelligent Diagnostics (BSID) <p>SPECTRUM On-line Documentation</p> <p>Available from the start menu, the online documentation covers all Teradyne products and provides searchable, fully indexed, context-sensitive help for safety, maintenance, and checkers procedures. The online documentation simplifies system integration and operation by providing full-text searching and comprehensive, hyper-linked indexing, which enable quick cross-referencing between Teradyne instrument and system manuals.</p> | \$ 100930 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

SPECTRUM BT 6 SLOT PXI CHASSIS, EDIGITAL-6020A, 1 DC SUPPLY (CONTINUED)

SPECTRUM BT Checkers

The SPECTRUM BT Checkers provide an integrated confidence test and wire verification capability. The confidence test provides quick verification that each instrument in the system is operational and passing its internal self-test. The wire verification checks continuity from the instrument to the receiver interface.

Hotline & Software Support Agreement

One (1) year of support that includes:

- Software updates
- Self-test software for instruments in this catalog unless otherwise noted
- TestStudio software
- Diagnostic software
- Documentation updates
- System Performance Reporting (SPR) service
- Access to the Teradyne Software Support Center
- Customer Bulletins
- Second year HSSA available at \$10370

On-site installation available



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|--|------------------|
| S9-100-05 | CUSTOM PLATFORM, NO DOORS Spectrum 9100 Foundation Test System including: System Core and Mechanics Spectrum infrastructure and frame system based on a 19 inch rack with rear and side covers, front side trim kit, power routing, System Manager controlled cooling subsystem, System Manager ICA Interlock and expansion provisions. Please order PN S9-100-00 if CE requirements for EMI radiation are required. SPECTRUM 9100 System Software <ul style="list-style-type: none">• TestStudio: TestStudio software provides an integrated environment for the development, debugging, documentation, and execution of functional test programs. TestStudio can directly control a wide range of development environments, including Microsoft Visual Studio, National Instruments LabVIEW and LabWindows CVI. TestStudio can also integrate with standard software programs for tasks such as charting, database management, and enterprise-wide data integration. TestStudio employs Web technology to provide a versatile user interface with familiar browsing and hyperlinking methodology. The functionality and appearance of TestStudio comes complete and ready to run, and is easily customizable.• Instrument drivers for all instruments in this price catalog that are purchased as part of the system configuration• iStudio graphical development and debugging environment• TestStudio Add-ins for many popular instruments• LSRTAP input reader software• SVF input reader software• Boundary-Scan Intelligent Diagnostics (BSID) | \$ 174620 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------------|--|-----------------|
| | CUSTOM PLATFORM, NO DOORS(CONTINUED) Spectrum 9100 Foundation Test System including: System Core and Mechanics SPECTRUM 9100 Checkers The SPECTRUM 9100 Checkers provide an integrated confidence test and wire verification capability. The confidence test provides quick verification that each instrument in the system is operational and passing its internal self-test. The wire verification checks continuity from the instrument to the receiver interface. . Hotline & Software Support Agreement One (1) year of support that includes: <ul style="list-style-type: none">• Software updates• Self-test software for instruments in this catalog unless otherwise noted• TestStudio software• Diagnostic software• Documentation updates• System Performance Reporting (SPR) service• Access to the Teradyne Software Support Center• Customer Bulletins• Second year HSSA available at \$10370 | |
| M-998-00 | SPECTRUM 9100 EXPANSION FRAME W/ DOORS Additional 19 inch bays for expansion of all SPECTRUM 9100 upright systems. Includes integrated power and cabling chase, integrated cooling subsystem, rear door with door locks and checks, Dutch front doors equipped with low emission glass, EMI gasketing on all covers, standard SPECTRUM color pattern. Mounts right of existing system using standard SPECTRUM bolt pattern and mounting hardware. Existing right cover remounts on expansion bay. NOTES: <ul style="list-style-type: none">• SPECTRUM systems can be expanded as far as floor space and power permit. | \$ 33980 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|---|-----------------|
| 626-103-00 | SPECTRUM HS EXPANSION FRAME Additional 19 inch bays for expansion of all Spectrum HS systems. Includes integrated power and cabling chase, integrated cooling subsystem, rear door with door locks and checks, standard SPECTRUM color pattern. Mounts right of existing system using standard Spectrum bolt pattern and mounting hardware. Existing right cover remounts on expansion bay NOTE: Spectrum systems can be expanded as far as floor space and power permit. | \$ 24120 |
| M-998-01 | SPECTRUM 9100 EXPANSION FRAME, W/OUT DOORS Additional 19 inch bays for expansion of all SPECTRUM 9100 upright systems. Includes integrated power and cabling chase, integrated cooling subsystem, rear door with door locks and checks, standard SPECTRUM color pattern. Mounts right of existing system using standard SPECTRUM bolt pattern and mounting hardware. Existing right cover remounts on expansion bay. NOTE: <ul style="list-style-type: none">• SPECTRUM systems can be expanded as far as floor space and power permit. | \$ 26660 |
| M-902-00 | 1 BAY TRIM KIT FOR S9100 Required an only available with 1 S9-100-05 CUSTOM PLATFORM, NO DOORS | \$ 830 |
| M-902-02 | 2 BAY TRIM KIT FOR S9100 Required an only available with 1 S9-100-05 CUSTOM PLATFORM, NO DOORS and one M-998-01 SPECTRUM 9100 EXPANSION FRAME, W/OUT DOORS | \$ 830 |
| M-902-03 | 3 BAY TRIM KIT FOR S9100 Required an only available with 1 S9-100-05 and two M-998-01 SPECTRUM 9100 EXPANSION FRAME, W/OUT DOORS | \$ 890 |
| 626-102-14 | DOORS IN PLACE OF TRIM KIT FOR SPECTRUM HS This option provides EMI tight doors in place of trim kit. Includes solid lower doors and upper doors with conductive glass. One required per bay. | \$ 6220 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|--|-----------------|
| 654-230-02 | SPECTRUM BT MOBILE CART The Spectrum BT cart attaches to the system allowing the system to be easily moved to where it's needed. The cart also provides 11U of rack space to add useful features such as a work surface, locking storage drawers, or additional space to add instrumentation when the Spectrum BT isn't quite large enough, but a full-up production system like the Spectrum HS is not desired. | \$ 10940 |
| 654-230-03 | SPECTRUM BT WORK SURFACE The Spectrum BT work surface mounts in the Spectrum BT Mobile Cart. The work surface can be stored in the cart, or pulled out and flipped open to the right providing a work surface for placing items such as a UUT, or a keyboard and mouse. | \$ 3730 |
| 654-230-04 | SPECTRUM BT DISPLAY ARM The Spectrum BT display arm attaches to the Spectrum BT cart. The display arm provides an ergonomic solution whether sitting, or standing when using the system. When not in use the display arm can be folded against the system allowing for easy transport using minimal storage space. | \$ 2340 |
| 654-230-05 | SPECTRUM BT 2U DRAWER The 2U drawer is about 3" deep and provides space for test adapters or other items that can may be required for testing product. | \$ 1190 |
| 654-230-06 | SPECTRUM BT SIDE PANELS FOR MOBILE CART The side panels provide a cleaner look to the cart and also make the optional drawers secure. If instrumentation is added to the cart the side panels are required to provide proper cooling of the cart mounted instrumentation. | \$ 3710 |
| 654-230-07 | SPECTRUM BT COOLING SYSTEM FOR MOBILE CART The Spectrum BT cooling system provides proper airflow for instrumentation when paired with the cart side panels. | \$ 1980 |
| 654-230-11 | SPECTRUM BT CONTROL PANEL FOR MOBILE CART The Spectrum BT control panel is recommended when a PDU is placed in the cart. This item contains an EMO button that would shut-off power to both the PDU in the core Spectrum BT and the PDU in the Spectrum BT Mobile Cart. This is both a safety feature and may prevent UUT damage. | \$ 1030 |
| 654-230-12 | SPECTRUM BT 4U DRAWER The 4U drawer is about 7" deep and provides space for test adapters or | \$ 1430 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-------------------|
| 706-906-00 | <p>TEMPO THERMAL AUTOMATION SUBSYSTEM</p> <p>The Tempo thermal automation subsystem provides for automated thermal testing of up to 4 UUTs. A single thermal profile is performed on 4 UUTs simultaneously. Once the UUTs are at temperature and the required soak time is completed each UUT is automatically moved to the test position so the test program set can be executed. Once the cycle of for UUTs in completed, the next step in the thermal profile is executed and the testing sequence is repeated until the thermal profile is complete. The entire test sequence can be executed without manual intervention.</p> <p>It consists of 4 major components</p> <ul style="list-style-type: none">• Thermal Controller that provides heating and cooling with the thermal energy is focused on UUT storage locations for efficient thermal transitions.<ul style="list-style-type: none">• -54 to 85 C ($\pm 2^{\circ}\text{C}$)• Ramp Rate 15 C/min• Humidity: 20% to 80% relative, non-condensing• Direct inject LN2 cooling system• Redundant safety solenoid and external oxygen sensors• 45kW Heater with positive over-temperature protection of the chamber• Airflow >300 CFM per slot• Thermal Enclosure that contains an optimized temperature-controlled area that is sealed at entry and exit points and uses a Virginia Panel D16 interface for connection to the tester.<ul style="list-style-type: none">• D16 interface provides 4 blocks that accommodate 4 VP Series-90 connector blocks in any configuration• Carrier ITAs support UUTs with a size of 18"x12"x10" providing random access to CCAs at any point during the test cycle. | \$ 1365000 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------------|
| 719-737-00 | <p>TEMPOONE AUTOMATION-READY THERMAL SUBSYSTEM</p> <p>The TempoOne thermal system that provides the same capabilities of the Tempo Automated system but supports a single carrier for low rate production or engineering/debug using the same carrier as Tempo. It consists of 3 major components:</p> <ul style="list-style-type: none">• Thermal Controller that provides heating and cooling with the thermal energy is focused on UUT storage locations for efficient thermal transitions.<ul style="list-style-type: none">• 60 to 90 C ($\pm 2^{\circ}\text{C}$)• Ramp Rate 15 C/min• Humidity: 20% to 80% relative, non-condensing• Direct inject LN2 cooling system (Vacuum Jacketed)• Redundant safety solenoid and 2 external oxygen sensors• Heater with positive over-temperature protection of the chamber• Thermal Enclosure that contains an optimized temperature-controlled area that is sealed at entry and exit points and a Virginia Panel D16 interface for connection to the tester.• A Test Systems Adaptor with a D16 interface provides 4 blocks that accommodate 4 VP Series-90 connector blocks in any configuration | \$ 409500 |
| 706-907-00 | <p>TEMPO/SPECTRUM HS CDTS SYSTEM INTERFACE CABLE</p> <p>The interface cable provided a connection from the G20 interface of the SpectrumHS CDTS configuration to the D16 interface in the Tempo (706-906-00).</p> | \$ 195610 |
| 706-908-00 | <p>TEMPO AUTOMATION CARRIERS</p> <p>The carrier is used in the Tempo (706-906-00). The carrier consists of the mechanical structure used by the automation to move the carrier and to engage it with the test interface.</p> <ul style="list-style-type: none">• Provides internal dimensions of 18x12x10 for UUT mounting and cabling• Contains a D16 frame to allow the user to connect from the frame to the UUT | \$ 16590 |
| 706-909-00 | <p>TEMPO AUTOMATION CARRIER SELF-TEST FOR CDTS</p> <p>The carrier is used in the Tempo (706-906-00) and consists of a carrier (706-908-00) and the connections and electronics required to implement the Spectrum HS CDTS configuration self-test inside of the Tempo.</p> | \$ 79880 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|---|-----------------|
| 706-910-00 | TEMPO AUTOMATION WORKBENCH The Workbench is a stand-alone system that can be used to do test program integration or off-line troubleshooting at ambient temperatures using a carrier (706-908-00) without requiring a Tempo (706-906-00). The Workbench will allow complete access from the top of the UUT for troubleshooting. It contains the same Test Site Actuator as Tempo, carrier guides, screws and motors contained in a protective cabinet. The workbench required the same interface cable used to connect the tester to the Tempo. | \$ 94270 |
| 733-514-00 | TEMPO D16 INTERFACE ASSEMBLY The Tempo D16 Interface Assembly provides the mechanical interface and D16 receiver that is integrated into the cable connecting the tester to Tempo. The Interface assembly provides thermal seals when seating into the thermal chamber of Tempo. | \$ 25730 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--|---|-----------------|
| Section C: SYSTEM INPUT POWER CONFIGURATION AND SUBSYSTEM OPTIONS | | |
| 654-230-08 | SPECTRUM BT SINGLE PHASE 20A PDU FOR MOBILE CART The 20A PDU provides power to instruments mounted in the Spectrum BT Cart. | \$ 2800 |
| 654-230-09 | SPECTRUM BT SINGLE PHASE 30A PDU FOR MOBILE CART The 30A PDU provides power to instruments mounted in the Spectrum BT Cart. Please verify 30A power is available prior to selecting this option. | \$ 19380 |
| 654-230-10 | SPECTRUM BT THREE PHASE 30A PDU FOR MOBILE CART When higher power instrumentation like large UUT power supplies is required the 3-phase PDU may be required. Distribution subsystems include main breaker, branch breakers appropriate for system sizing, separate computer and test system circuits, and low-voltage control circuitry built-in. Subsystems are designed to "daisy chain" for additional power expansion of SPECTRUM systems to adjacent bays. By combining multiple units, the system's available power can be increased well beyond 20 kVA. | \$ 23020 |
| M-208-04 | 10 KVA TEAL PDU, 208V 208V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 44880 |
| M-240-04 | 10 KVA TEAL PDU, 240V 240V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 44880 |
| M-380-04 | 10 KVA TEAL PDU, 380V 380V, 3-Phase input voltage NOTE: | \$ 44880 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------------|--|-----------------|
| M-415-04 | 10 KVA TEAL PDU, 415V 415V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 44880 |
| M-480-04 | 10 KVA TEAL PDU, 480V 480V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 44880 |
| M-208-05 | 20 KVA TEAL PDU, 208V 208V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 48130 |
| M-240-05 | 20 KVA TEAL PDU, 240V 240V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 48130 |
| M-380-05 | 20 KVA TEAL PDU, 380V 380V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 48130 |
| M-415-05 | 20 KVA TEAL PDU, 415V 415V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 48130 |
| M-480-05 | 20 KVA TEAL PDU, 480V 480V, 3-Phase input voltage NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 48130 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| M-208-11 | 30 KVA TEAL PDU, 208V NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 75680 |
| M-480-11 | 30 KVA TEAL PDU, 480V NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 75680 |
| 626-104-00 | 6 KVA 208/240V SINGLE PHASE HIGH EFFICIENCY PDU | \$ 19590 |
| 626-105-00 | 8 KVA 120/208V 3-PHASE HIGH EFFICIENCY PDU | \$ 23800 |
| 626-105-01 | 16 KVA 230/400V 3-PHASE HIGH EFFICIENCY PDU | \$ 23800 |
| M-991-79 | PULIZZI PC975,3PH TO 120/208V NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 9910 |
| 654-229-01 | UPGRADE FROM A 16 KVA HIGH EFFICIENCY PDU TO A 10 KVA TRANSFORMER PDU | \$ 22430 |
| 654-229-02 | UPGRADE FROM A 16 KVA HIGH EFFICIENCY PDU TO A 20 KVA | \$ 27080 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------------------------------|--|-----------------|
| Section D: CHASSIS OPTIONS | | |
| 600-432-00 | SPECTRUM 9100 HIGH PERFORMANCE 5.7 KW C SIZED CHASSIS KIT The High-performance 5.7 KW C Sized VXI Chassis Kit (Teradyne 5.7 KW HPC) includes the Teradyne 5.7 KW HPC, and mounting hardware required for mounting the Teradyne 5.7 KW HPC in the Spectrum 9100 system. This Teradyne 5.7 KW HPC is required for systems containing Teradyne Digital Channels, and Ai-760 Analog Test Instruments. NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 42900 |
| 617-909-00 | SPECTRUM 9100 MEDIUM POWER 2.6 KW C SIZED CHASSIS KIT The Medium-power 2.6 KW C Sized VXI Chassis Kit (Teradyne 2.6 KW MPC) includes the Teradyne 2.6 KW MPC, and mounting hardware required for mounting the Teradyne 2.6 KW MPC in the Spectrum 9100 system. This Teradyne 2.6 KW MPC can power up to 4 Teradyne Digital Channels, and 3 Ai-760 Series Analog Test Instruments. NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 34320 |
| M-702-02 | EXPANSION C-SIZE VXI CARD CAGE Expansion C-Size VXI card cage (Racal 1261B) w/MXI Express Trigger Board NOTES: <ul style="list-style-type: none">• The Expansion VXI Chassis is not compatible with the 20 kVA PDU. If this combination is desired, a SPECTRUM 9100 Expansion Frame (P/N M-998-00) is required. Consult the factory for assistance.• This item is only available when configured in a new Spectrum 9100 system. | \$ 44290 |
| 608-223-01 | TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS SINGLE TIER KIT This kit contains a high performance 5.7 KW VXI chassis, power strip, cable tray, SCPM mounting rails, and misc hardware pieces to install the high performance 5.7 KW VXI chassis in a Spectrum 9100 system that previously had a high performance 4.0 KW VXI chassis installed behind a single tier VPC 90-Series receiver. Note: VPC and Receiver and latch assembly are not part of this kit | \$ 46410 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| 608-223-02 | TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS DOUBLE TIER KIT This kit contains a high performance 5.7 KW VXI chassis, power strip, cable tray, SCPM mounting rails, and misc hardware pieces to install the high performance 5.7 KW VXI chassis in a Spectrum 9100 system that previously had a high performance 4.0 KW VXI chassis installed behind a double tier VPC 90-Series receiver or in a CU-707-01 Spectrum 9100 2Bay Mechanical Core System. Note: VPC and Receiver and latch assembly are not part of this kit | \$ 48620 |
| 608-223-03 | TERADYNE HIGH PERFORMANCE 5.7 KW C SIZED VXI CHASSIS TRIPLE TIER KIT This kit contains a high performance 5.7 KW VXI chassis, power strip, cable tray, SCPM mounting rails, and misc hardware pieces to install the high performance 5.7 KW VXI chassis in a Spectrum 9100 system that previously had a high performance 4.0 KW VXI chassis installed behind a triple tier VPC 90-Series receiver. Note: VPC and Receiver and latch assembly are not part of this kit | \$ 49370 |
| 610-983-00 | 4.0 KW C SIZED VXI COMPLIANT CHASSIS WITH SPECTRUM 9100 INTEGRATION KIT This chassis kit is a direct replacement for the M-908-03 chassis kit, which can accommodate up to 528 M920 channels (11 M-927s). Note: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system.• For systems that do not require a Form, Fit, and Function equivalent to the M-908-03 chassis, Teradyne recommends using the 608-223-01, 608-223-02, or 608-223-03 5.7 KW Chassis, as applicable for the specific receiver. | Consult Factory |
| 611-038-90 | SPECTRUM-SERIES NI 18 SLOT PXI EXPANSION CHASSIS This NI Expansion Chassis allows for adding Teradyne HSSub instrumentation consisting of Core Instruments, optional I/O Expansion Instruments, and other Teradyne-integrated PXI products to a Spectrum System. The Expansion Chassis includes: <ul style="list-style-type: none">• System Integration including mounting hardware• MXI Express controller card• MXI Express cable to controller card in PC.. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| 618-703-00 | SPECTRUM-SERIES 2.6 KW 13 SLOT C SIZED EXPANSION CHASSIS KIT The medium power 2.6 KW C Sized VXI Chassis Kit (Teradyne 2.6 KW MPC) includes the 2.6 KW Medium power chassis, mounting rails, slot zero controller, and controller cable. | \$ 43010 |
| 652-217-00 | SPECTRUM-SERIES 1.7 KW 6 SLOT HORIZONTAL C SIZED EXPANSION CHASSIS KIT The Medium Power 1.7 KW C Sized VXI Chassis Kit includes the 1.7 KW VXI chassis, mounting rails, slot zero controller and controller cable | \$ 36300 |
| 611-038-95 | EXPANSION TERADYNE PXI CHASSIS WITH SPECTRUM SYSTEM INTEGRATION | \$ 31260 |
| CU-707-77 | LOW POWER CHASSIS DOOR AND BRACKET KIT | \$ 1240 |
| 709-953-00 | UPGRADE FROM A GEN2 P1821 PXIE CHASSIS AND CONTROLLERS TO A P1831 GEN3 HIGH POWER PXIE CHASSIS AND CONTROLLER This Item is only available as part of a new Spectrum HS or BT system that contains a Gen2 P1821 PXIe Chassis bundled into the foundation | \$ 7010 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|----------------------------------|---|----------------------------|
| Section E: COMPUTER GROUP | | |
| 616-616-20 | SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT WITH ONE 32-BIT PCI SLOT, 4U This computer is recommended for use where a 32-bit PCI slot is required NOTES: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| 616-616-30 | SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 4U This computer is recommended for all applications that do not require a 32-bit PCI slot | \$ 12570 |
| 616-616-50 | SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 4U W TPM This computer is recommended for all applications that do not require a 32-bit PCI slot. This version includes the Trusted Platform Module (TPM). | \$ 12570 |
| 632-788-20 | SPECTRUM SYSTEM CONTROLLER WINDOWS 10 TOWER WITH ONE 32-BIT PCI SLOT This computer is recommended for use where a 32-bit PCI slot is required NOTES: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| 632-788-30 | SPECTRUM SYSTEM CONTROLLER WINDOWS 10 TOWER <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum system. | \$ 11690 |
| 650-949-30 | SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 2U NOTES: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 12570 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|--------------------|
| 691-838-01 | <p>SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 2U</p> <p>Consists of :</p> <ul style="list-style-type: none">• Server class Motherboard with 2 PCIe 4.0 x16, 2 PCIe 4.0 x8 Slots, 1 1xPCIe 4.0 x4 (in x16 slot), TPM 2.0 Chip• 3rd Generation Intel® Xeon® Scalable Silver 4310 Icy Lake 12-Core 2.10GHz Processor• (4) 8GB DDR4 PC4-17000 2133MHz (32GB total)• Blu-Ray DVD/RW, 6X BD-R 2X BD-RE, 8x DVD+R• Two removable 1TB 2.5" SATA3 Solid State Drive SSD installed• One removable 1TB 2.5" SATA3 Solid State Drive SSD shipped outside computer• Microsoft Windows Professional, 64-Bit• Windows Factory Image on Blu-Ray & bootable CD• Mounting Hardware for Spectrum-Series Test System <p>NOTES:</p> <ul style="list-style-type: none">• This item is only available when configured in a new system. | \$ 12570 |
| 691-838-02 | <p>ADVANCED SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 2U</p> <p>Consists of :</p> <ul style="list-style-type: none">• Server class Motherboard with 2 PCIe 4.0 x16, 2 PCIe 4.0 x8 Slots, 1 1xPCIe 4.0 x4 (in x16 slot), TPM 2.0 Chip• 3rd Generation Intel® Xeon® Scalable Silver 4310 Icy Lake 12-Core 2.10GHz Processor• (4) 8GB DDR4 PC4-17000 2133MHz (32GB total)• Blu-Ray DVD/RW, 6X BD-R 2X BD-RE, 8x DVD+R• Two removable 4TB 2.5" SATA3 Solid State Drive SSD installed• One removable 4TB 2.5" SATA3 Solid State Drive SSD shipped outside computer• Microsoft Windows Professional, 64-Bit• Windows Factory Image on Blu-Ray & bootable CD• Mounting Hardware for Spectrum-Series Test System <p>NOTES:</p> <ul style="list-style-type: none">• This item is only available when configured in a new system. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| 693-205-00 | SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 4U Consists of: <ul style="list-style-type: none">• Server class Motherboard with 2 PCIe 4.0 x16, 2 PCIe 4.0 x8 Slots, 1 1xPCIe 4.0 x4 (in x16 slot), TPM 2.0 Chip• 3rd Generation Intel® Xeon® Scalable Silver 4310 Icy Lake 12-Core 2.10GHz Processor• (4) 8GB DDR4 PC4-17000 2133MHz (32GB total)• Blu-Ray DVD/RW, 6X BD-R 2X BD-RE, 8x DVD+R• Two removable 1TB 2.5" SATA3 Solid State Drive SSD installed• One removable 1TB 2.5" SATA3 Solid State Drive SSD shipped outside computer• Microsoft Windows Professional, 64-Bit• Windows Factory Image on Blu-Ray & bootable CD• Mounting Hardware for Spectrum-Series Test System NOTES: <ul style="list-style-type: none">• This item is only available when configured in a new system. | \$ 12570 |
| 693-206-00 | SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL TOWER Consists of: <ul style="list-style-type: none">• Server class Motherboard with 2 PCIe 4.0 x16, 2 PCIe 4.0 x8 Slots, 1 1xPCIe 4.0 x4 (in x16 slot), TPM 2.0 Chip• 3rd Generation Intel® Xeon® Scalable Silver 4310 Icy Lake 12-Core 2.10GHz Processor• (4) 8GB DDR4 PC4-17000 2133MHz (32GB total)• Blu-Ray DVD/RW, 6X BD-R 2X BD-RE, 8x DVD+R• Two removable 1TB 2.5" SATA3 Solid State Drive SSD installed• One removable 1TB 2.5" SATA3 Solid State Drive SSD shipped outside computer• Microsoft Windows Professional, 64-Bit• Windows Factory Image on Blu-Ray & bootable CD NOTES: <ul style="list-style-type: none">• This item is only available when configured in a new system. | \$ 11690 |
| 709-952-00 | REPLACE BUNDLED STATION CONTROLLER IN A SPECTRUM FOUNDATION SYSTEM WITH A SUPPORTED OLDER VERSION OF THE SAME FORMAT (4U, 2U,TOWER) NOTES: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum HS or BT system. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| 639-019-00 | STANDARD COMPUTER CART W/POWER DISTRIBUTION The computer cart includes an integrated power distribution system, side mounted cradle for the PC and a pull-out keyboard tray. NOTES: <ul style="list-style-type: none">• A Computer cart is not required if a swing arm is ordered with the flat panel display (P/N 611-384-00 or 611-385-00).• This item is only available when configured in a new Spectrum 9100 system. | \$ 5830 |
| 611-384-00 | SWING ARM WITH FLAT PANEL DISPLAY FOR RACKMOUNT COMPUTER The display and keyboard are mounted on a counter balanced articulated swing arm providing a full range of vertical and horizontal motion. This ensures an ergonomic setting for any application and reduces the floor space required for the combined tester and user workspace. NOTE: <ul style="list-style-type: none">• The Computer Cart (P/N 639-019-00) is not required with this option.• For use with two displays order this part plus one MM-256-01• This kit contains mounts for single and dual displays• This item is only available when configured in a new Spectrum 9100 system. | \$ 9950 |
| 611-385-00 | SWING ARM WITH FLAT PANEL DISPLAY FOR STANDARD SPECTRUM COMPUTER The display and keyboard are mounted on a counter balanced articulated swing arm providing a full range of vertical and horizontal motion. This ensures an ergonomic setting for any application and reduces the floor space required for the combined tester and user workspace. The kit also includes mounting hardware for the PC. NOTE: <ul style="list-style-type: none">• The Computer Cart (P/N 639-019-00) is not required with this option.• For use with two displays order this part plus one MM-256-01• This kit contains mounts for single and dual displays• This item is only available when configured in a new Spectrum 9100 system. | \$ 13610 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|---|----------------|
| MM-256-01 | FLT PNL DISPLY FOR ANTRO CART NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 1260 |
| 608-936-02 | RACKMOUNT UPS FOR STATION CONTROLLER (PC) 1920 Watt minimum for use with any Spectrum 9100 Station Controller. NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 5270 |
| 611-379-00 | SPECTRUM 9000-SERIES PRINTER TRAY NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 3240 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

Section F: RECEIVER INTERFACE OPTIONS

RECEIVER INTERFACE OPTIONS

Selection of receiver interface type will have a direct bearing on the selection of the appropriate instrumentation integration kits. Integration kits for each receiver interface type are available for standard instrumentation.

M-998-10

VP-90 VXI SINGLE-TIER RECEIVER

\$ 27120

The Virginia Panel Corp. VXI 90-Series receiver, 13 module, single-tier configuration, includes receiver frame, adapter latch kit, mounting hardware and bezels, Self-Evaluation Fixture (SEF), enclosure, and load resistor mounting plate.

NOTE:

- This item is only available when configured in a new Spectrum 9100 system.

M-998-11

VP-90 VXI DOUBLE TIER RECEIVER

\$ 36080

The Virginia Panel Corp. VXI 90-Series receiver, 26 module, double-tier configuration, includes receiver frame, adapter latch kit, mounting hardware and bezels, Self-Evaluation Fixture (SEF), enclosure, and load resistor mounting plate.

NOTE:

- Please consult factory for configuration with VP-90 double and triple tier receivers, as they can impact station layout.
- This item is only available when configured in a new Spectrum 9100 system.

M-998-13

VP-90 VXI TRIPLE TIER RECEIVER

\$ 40390

The Virginia Panel Corp. VXI 90-Series receiver, 39 module, triple-tier configuration, includes receiver frame, adapter latch kit, mounting hardware and bezels, Self-Evaluation Fixture (SEF), enclosure, and load resistor mounting plate.

NOTE:

- Please consult factory for configuration with VP-90 double and triple tier receivers, as they can impact station layout.
- This item is only available when configured in a new Spectrum 9100 system.



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|--------------------|
| 612-653-00 | SINGLE TIER G20 PXI SLIDE MOUNT RECEIVER WITH SPECTRUM INTEGRATION The Virginia Panel Corp. PXI slide mount receiver includes receiver frame, adapter latch kit, mounting hardware and bezels. NOTE: This item is only available when configured in a new Spectrum HS System system. | Consult Factory |
| 626-114-00 | DOUBLE TIER PXI SLIDE MOUNT RECEIVER (G40X) WITH SPECTRUM 9100 INTEGRATION The Virginia Panel Corp. PXI slide mount receiver double-tier configuration, includes receiver frame, adapter latch kit, mounting hardware and bezels. NOTE: This item is only available when configured in a new Spectrum HS System system. | \$ 31010 |
| 626-109-50 | BASE MECHANICS FOR G20X SELFTEST ITA This item includes the Self-Evaluation Fixture (SEF) enclosure and load resistor mounting plate. NOTE: This item is only available when configured in a new Spectrum HS System system. | \$ 10290 |
| 626-114-50 | BASE MECHANICS FOR G40X SELFTEST ITA This item includes the Self-Evaluation Fixture (SEF), enclosure, and load resistor mounting plate. NOTE: This item is only available when configured in a new Spectrum HS System system. | \$ 11450 |
| 654-765-00 | SINGLE TIER G20X EMI PXI SLIDE MOUNT RECEIVER WITH SPECTRUM INTEGRATION Includes PXI G20X receiver kit includes receiver frame, adapter latch kit, mounting hardware and bezels | \$ 32170 |
| 654-765-01 | SINGLE TIER G20X PXI EXTENDABLE HANDLE RECEIVER WITH SPECTRUM INTEGRATION Includes PXI G20X extendable handle receiver kit includes receiver frame, adapter latch kit, mounting hardware and bezels | \$ 38900 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| 654-765-50 | BASE MECHANICS FOR EMI G20X SELFTEST ITA This part contains the ITA frame, cover, resistor mounting plate, and other infrastructure needed for an unpopulated Wire Verification Test ITA. | \$ 11420 |
| 654-230-01 | UPGRADE FROM ICA FRAME TO FULL G20 ICA AND G20 SELF-TEST ITA This part upgrades the standard Spectrum BT ICA Frame to a full G20X ICA plus the base mechanics for a Wire Verification Test ITA | \$ 18100 |
| 637-353-01 | SINGLE TIER G20 PXI RECEIVER WITH INTERLOCK This kit provides: <ul style="list-style-type: none">• VPC G20 Receiver Kit with ITA interlock mechanism• Integration hardware to mount to 18-slot PXIe chassis | \$ 27720 |
| M-991-05 | SPRING PROBE SINGLE-TIER RECEIVER INTERFACE Teradyne Spring Probe Receiver comes complete with receiver frame, mounting hardware and bezels, Self-Evaluation Fixture (SEF) and enclosure. NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| M-991-09 | SPRING PROBE DOUBLE-TIER RECEIVER INTERFACE Teradyne Spring Probe Receiver comes complete with receiver frame, mounting hardware and bezels, Self-Evaluation Fixture (SEF) and enclosure. NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| CU-479-00 | SCPM PORT MODULE TO VPC RECEIVER | \$ 2940 |
| CU-480-00 | SCPM MATRIX MODULE TO VPC RECEIVER | \$ 4330 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--|--|-----------------|
| Section G: POWER SUPPLY INTEGRATION KITS AND MODULES | | |
| USER POWER SUPPLY OPTIONS | | |
| The following power supply system and module types are available for use with the Agilent 66000A Modular Power System. The power supply chassis integration kits below include the required wiring to the receiver. Select the integration kit appropriate for the specified receiver interface (see Section F). | | |
| The 66000A Modular Power Supply chassis accepts up to 8 modules per chassis. Select modules from the list below. | | |
| NOTES: | | |
| <ul style="list-style-type: none">Power supply requirements may affect sizing of system power controller and distribution subsystem, (see Section C). | | |
| 622-962-10 | 0-8V 6.25A POWER SUPPLY MODULE The 0-8V 6.25A power supply module (Keysight N6732) is equipped with Open/Close and Polarity Reversal Relays | \$ 2380 |
| 622-962-13 | 0-35V 8.5A POWER SUPPLY MODULE The 0-35V 8.5A power supply module (Keysight N6774A) is equipped with Open/Close and Polarity Reversal Relays | \$ 6170 |
| 660-572-00 | 1200 WATT USER POWER MAINFRAME INCLUDING INTEGRATION WITH SERIES 90 INTERFACE | \$ 12450 |
| 660-572-01 | 1200 WATT USER POWER MAINFRAME INCLUDING INTEGRATION WITH G20 I2 INTERFACE | \$ 14240 |
| 660-572-10 | 400 WATT USER POWER MAINFRAME INCLUDING INTEGRATION WITH SERIES 90 INTERFACE | \$ 9070 |
| 660-572-11 | 400 WATT USER POWER MAINFRAME INCLUDING INTEGRATION | \$ 10330 |
| 622-962-68 | VPC ITA CONNECTOR WIRED FOR WIRE VERIFICATION TEST OF FOR ONE N67XX POWER SUPPLY This part is for use in a G20-Series ITA Enclosure | \$ 450 |
| 660-148-02 | VPC RECEIVER INTEGRATION (NO WVT CHECKER) FOR N67XX POWER SUPPLY Includes cable material, build, design, and documentation for one N67XX DC Power supply | \$ 910 |
| 608-372-01 | 0-100V 1A POWER SUPPLY MODULE (N6746B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 3860 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 622-962-11 | 0-8V 10A POWER SUPPLY MODULE (N6742B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS. | \$ 3860 |
| 622-962-12 | 0-20V 5A POWER SUPPLY MODULE (N6743B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 3860 |
| 622-962-14 | 0-60V 5A POWER SUPPLY MODULE (N6775A) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 6170 |
| 622-962-15 | 0-150V 2A POWER SUPPLY MODULE (N6777A) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 6170 |
| 636-128-01 | 0-5V 10A POWER SUPPLY MODULE (N6731B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 2380 |
| 636-128-02 | 0-20V 2.5A POWER SUPPLY MODULE (N6733B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 2380 |
| 636-128-03 | 0-35V 1.5A POWER SUPPLY MODULE (N6734B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 2380 |
| 636-128-04 | 0-60V 0.8A POWER SUPPLY MODULE (N6735B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 2380 |
| 636-128-05 | 0-100V 0.5A POWER SUPPLY MODULE (N6736B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 2380 |
| 636-128-07 | 0-60V 1.6A POWER SUPPLY MODULE (N6745B) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 3860 |
| 636-128-09 | 0-20V 15A POWER SUPPLY MODULE (N6773A) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 6170 |
| | Note: Supply limited to 10A by relay module | |
| 636-128-10 | 0-100V 3A POWER SUPPLY MODULE (N6776A) WITH OPEN/CLOSE AND POLARITY REVERSAL RELAYS | \$ 6170 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------|-------------|------------|
|--------|-------------|------------|

Section H: INSTRUMENTATION OPTIONS

All standard SPECTRUM 9100 VXI Instrumentation is available in integration kits peculiar to the selected receiver interface type. The integration kits come complete with: instrument; installation; software driver; receiver interface wiring; self-test software; and Self-evaluation Fixture (SEF) wiring.

TERADYNE VXI INSTRUMENTATION INTEGRATION KITS FOR VPC 90-SERIES RECEVERS (SINGLE AND DOUBLE-TIER)

| | | |
|------------------|--|-----------------|
| AI-710-51 | AI7 SERIES 32 CHANNEL PARALLEL ANALOG TEST INSTRUMENT W/VPC INTERFACE | \$ 92170 |
|------------------|--|-----------------|

Teradyne Ai710 32 channel high density VXI C-Size instrument for parallel analog test with VP-90 receiver integration. Includes Ai-710 parallel analog test instrument, funnel wiring, software driver, self-evaluation fixture wiring, and integrated confidence and wire verification self-test.

NOTE:

- This item is only available when configured in a new Spectrum 9100 system.

| | | |
|------------------|---|----------------------------|
| AI-705-51 | AI7 SERIES 8 CHANNEL PARALLEL ANALOG TEST INSTRUMENT W/VPC INTERFACE | Consult Factory |
|------------------|---|----------------------------|

Teradyne Ai705 8 channel high density VXI C-Size instrument for parallel analog test with VP-90 receiver integration. Includes Ai-705 parallel analog test instrument, funnel wiring, software driver, self-evaluation fixture wiring, and integrated confidence and wire verification self-test.

NOTE:

- This item is only available when configured in a new Spectrum 9100 system.

| | | |
|------------------|--|------------------|
| BI-410-51 | BI-410 4-MODULE BUS TEST INSTRUMENT W/VPC INTERFACE | \$ 111800 |
|------------------|--|------------------|

Teradyne High-Density VXI C-Size Instrument for Serial Bus Test and Emulation with VP-90 receiver integration. Includes 4 bus module bus test instrument, funnel wiring, software driver, self-evaluation fixture wiring, and integrated confidence and wire verification self-test.

NOTE:

- This item is only available when configured in a new Spectrum 9100 system.



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|--|-----------------|
| BI-410-54 | <p>BI-410 2-MODULE BUS TEST INSTRUMENT W/VPC INTERFACE</p> <p>Teradyne High-Density VXI C-Size Instrument for Serial Bus Test and Emulation with VP-90 receiver integration. Includes 2 bus module bus test instrument, funnel wiring, software driver, self-evaluation fixture wiring, and integrated confidence and wire verification self-test.</p> <p>Each Bi4-Series channel has:</p> <ul style="list-style-type: none">• Bi-Directional Differential Pin Electronics• VXI plug&play Software:<ul style="list-style-type: none">• Driver• Soft Front Panel• Function Panel• Self-Test Software <p>NOTE:</p> <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 70080 |
| CU-707-06 | <p>BI-410 2-MODULE BUS TEST INSTRUMENT WITH CABLE INTERFACE BOARD AND ICA CABLE FOR VPC INTERFACE</p> <p>Teradyne High-Density VXI C-Size Instrument for Serial Bus Test and Emulation with Cabled VP-90 receiver integration. Includes 2 bus module bus test instrument, Cable Interface Board, ICA Cable, software driver, self-evaluation fixture wiring, and integrated confidence and wire verification self-test.</p> | \$ 71110 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|--------------------|
| DI-025-01 | <p>DI-SERIES GENERATION 1 25 MHZ 32-CHANNEL CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 32 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 2.5 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 125 mV on voltage ranges below $\pm 15V$• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|------------|
| DI-025-11 | <p>DI-SERIES GENERATION 2 25 MHZ 32-CHANNEL 30V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 32 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 76440 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|------------|
| DI-025-12 | <p>DI-SERIES GENERATION 2 25 MHZ 64-CHANNEL 30V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 64 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 122320 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|-----------------|
| DI-025-21 | <p>DI-SERIES GENERATION 2 25 MHZ 32-CHANNEL 15V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 32 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 15V$ with up to a 20V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 64980 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|------------------|
| DI-025-22 | <p>DI-SERIES GENERATION 2 25 MHZ 64-CHANNEL 15V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 64 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 15V$ with up to a 20V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 105080 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|-----------------|
| DI-025-48 | <p>DI-SERIES GENERATION 2 25 MHZ 48-CHANNEL 15V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 48 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 15V$ with up to a 20V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine• Factory upgradable to full 64-channel capability <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 91520 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|------------|
| DI-025-49 | <p>DI-SERIES GENERATION 2 25 MHZ 48-CHANNEL 30V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 48 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine• Factory upgradable to full 64-channel capability <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 110970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|------------------|
| DI-050-49 | <p>DI-SERIES GENERATION 2 50 MHZ 48-CHANNEL 30V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 48 bi-directional channels packaged in a single VXI slot.• 50 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine• Factory upgradable to full 64-channel capability <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 135430 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|-----------------|
| DI-050-21 | <p>DI-SERIES GENERATION 2 50 MHZ 32-CHANNEL 15V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 32 bi-directional channels packaged in a single VXI slot.• 50 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 15V$ with up to a 20V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 82190 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|--------------------|
| DI-025-02 | <p>DI-SERIES GENERATION 1 25 MHZ 64-CHANNEL CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 64 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 2.5 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 125 mV on voltage ranges below $\pm 15V$• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|------------|
| DI-025-24 | <p>DI-SERIES GENERATION 2 25 MHZ 64-CHANNEL -3V TO +6V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 64 bi-directional channels packaged in a single VXI slot.• 25 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Single range providing drive and detect levels between -3V and +6V• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% \pm50 mV• Does not support Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine• Does not support external analog matrix connections to the channels <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 | \$ 85560 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|--------------------|
| DI-050-01 | <p>DI-SERIES GENERATION 1 50 MHZ 32-CHANNEL CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 32 bi-directional channels packaged in a single VXI slot.• 50 MHz maximum data rate for general-purpose applications• 2.5 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 125 mV on voltage ranges below $\pm 15V$• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|--------------------|
| DI-050-02 | <p>DI-SERIES GENERATION 1 50 MHZ 64-CHANNEL CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 64 bi-directional channels packaged in a single VXI slot.• 50 MHz maximum data rate for general-purpose applications• 2.5 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 125 mV on voltage ranges below $\pm 15V$• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2s <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 DI-SERIES SOFTWARE MEDIA KIT | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|-----------------|
| DI-050-11 | <p>DI-SERIES GENERATION 2 50 MHZ 32-CHANNEL 30V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 32 bi-directional channels packaged in a single VXI slot.• 50 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV on voltage ranges below $\pm 15V$• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 95590 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|------------------|
| DI-050-12 | <p>DI-SERIES GENERATION 2 50 MHZ 64-CHANNEL CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 64 bi-directional channels packaged in a single VXI slot.• 50 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 30V$ with up to a 30V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV on voltage ranges below $\pm 15V$• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2s <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 152840 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|------------|
| DI-050-22 | <p>DI-SERIES GENERATION 2 50 MHZ 64-CHANNEL 15V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 64 bi-directional channels packaged in a single VXI slot.• 50 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 15V$ with up to a 20V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV on voltage ranges below $\pm 15V$• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC<ul style="list-style-type: none">• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 129950 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|------------|
| DI-050-48 | <p>DI-SERIES GENERATION 2 50 MHZ 48-CHANNEL 15V CHANNEL CARD</p> <p>Modular Digital Test Instrument:</p> <ul style="list-style-type: none">• A high-density VXI C-Size instrument for flexible, high-performance parallel digital test• 48 bi-directional channels packaged in a single VXI slot.• 50 MHz maximum data rate for general-purpose applications• 1 ns timing resolution for drive and detect edges and pattern period• Ranges covering $\pm 15V$ with up to a 20V swing• Phases/windows/levels programmable per channel• Drive and detect voltage accuracy of 1% ± 50 mV• Differential and LVDS capability by pairing of adjacent channels• 8M pattern Deep Serial Memory per channel• Programmable as multiple independent Instruments on 32-channel boundaries• Programmable asynchronous handshake engine• Factory upgradable to full 64-channel capability <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service <p>VXI Chassis & PC Controller:</p> <p>Di-Series hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Di-Series Channel Cards</p> <p>Requires low-latency connection to controlling PC which requires one of:</p> <ul style="list-style-type: none">• Embedded (in chassis) VXI controller PC• Controller for external PC• NI MXI-VXI-Express• NI MXI-2 <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use Di-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument.• If physical media is required order 602-977-00 Di-Series Software Media Kit | \$ 107990 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|--------------------|
| DI-050-30 | <p>DI-SERIES GENERATION 1 UTILITY CARD</p> <p>Optional Supplemental DI-Series Support:</p> <ul style="list-style-type: none">• Requires one or more Di-Series Channel Cards• Requires 602-977-00 Di-Series System Software• Includes PS-133-00 Di-Series Diagnostic Software License• Guided Probe Electronics• 32 Utility (High Voltage) Pins• Supplemental Dynamic Control and Timing Signals• Provides full M-918 CRB functionality except Sync Resources and User Clock• Compatible with Di-Series instruments with 2.5ns drive and detect timing resolution (including Di-025-01, Di-025-02, Di-050-01 and Di-050-02) <p>NOTES:</p> <ul style="list-style-type: none">• If Guided Probe capability is required, the Utility Instrument requires one of Di-002-10, Di-002-11 or Di-002-13 Di-Series Guided Probe and Cable Kits.• The Di-050-30 Utility Card should be located in the card cage to the right and adjacent to the associated Di-Series Channel Cards.• Includes PS-133-00 Di-Series Diagnostic Software License and media. | Consult Factory |
| 651-713-01 | <p>DI-SERIES GEN2 25 MHZ 48-CH 30V CHANNEL CARD WITH VPC INTERFACE AND 200V HYBRID FUNNEL</p> <p>Teradyne 25 MHz 48-Channel Digital Channel Card with -30 volt to +30 volt drive/detect levels, 200V hybrid relay connections, plus VP-90 receiver funnel wiring and self-evaluation fixture wiring..</p> | \$ 127820 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|--|------------------------|
| DI-050-31 | DI-SERIES GENERATION 2 UTILITY INSTRUMENT Optional Supplemental DI-Series Support: <ul style="list-style-type: none">• Requires one or more Di-Series Channel Cards• Includes PS-133-00 Di-Series Diagnostic Software License• Guided Probe Electronics• 32 Utility (High Voltage) Pins• Supplemental Dynamic Control and Timing Signals• Provides full M-918 CRB functionality• Compatible with Di-Series instruments with 1 ns drive and detect timing resolution (including Di-025-11, Di-025-12, Di-025-21, Di-025-22, Di-050-11, Di-050-12, Di-050-21 and Di-050-22) NOTES: <ul style="list-style-type: none">• If Guided Probe capability is required, the Utility Instrument requires one of Di-002-10, Di-002-11 or Di-002-13 Di-Series Guided Probe and Cable Kits.• The Di-050-31 Utility Card should be located in the card cage to the right and adjacent to the associated Di-Series Channel Cards.• If physical media is required order 602-977-00 Di-Series Software Media Kit• Includes PS-133-00 Di-Series Diagnostic Software License and media. | \$ 37740 |
| 638-518-00 | DI-SERIES GENERATION 2 50 MHZ 48-CHANNEL 30V CHANNEL CARD (DI-050-49) W/VPC INTERFACE Teradyne 50 MHz 48-Channel Digital Channel Card with -30 volt to +30 volt drive/detect levels, hybrid relay connections, plus VP-90 receiver funnel wiring and self-evaluation fixture wiring. | Consult Factory |
| 638-518-01 | DI-SERIES GEN2 50 MHZ 48-CH 30V CHANNEL CARD WITH VPC INTERFACE AND 200V HYBRID FUNNEL Teradyne 50 MHz 48-Channel Digital Channel Card with -30 volt to +30 volt drive/detect levels, 200V hybrid relay connections, plus VP-90 receiver funnel wiring and self-evaluation fixture wiring. | \$ 152310 |
| 651-713-00 | DI-SERIES GENERATION 2 25 MHZ 48-CHANNEL 30V CHANNEL CARD (DI-025-49) W/VPC INTERFACE Teradyne 25 MHz 48-Channel Digital Channel Card with -30 volt to +30 volt drive/detect levels, hybrid relay connections, plus VP-90 receiver funnel wiring and self-evaluation fixture wiring. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|-----------------|
| AI-710-00 | <p>HIGH DENSITY 32 CHANNEL MULTIFUNCTION ANALOG INSTRUMENTATION SUBSYSTEM</p> <p>A High-Density VXI C-Size Instrument for Parallel Analog Test includes 32 channels with voltage ranges from -12 to +12V.</p> <p>Each Ai-710-00 channel has 6 independent instruments including</p> <ul style="list-style-type: none">• Function Generator• Arbitrary Waveform Generator• Digitizer• DMM• Limit Detector• Timer Counter <p>VXI plug&play Software for Windows Framework:</p> <ul style="list-style-type: none">• Driver• Soft Front Panel• Function Panel• Self-Test and Calibration Software• Software Media and Documentation on CD-ROM <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service• CE Certification <p>Notes</p> <ul style="list-style-type: none">• Includes software license to use Ai-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument. | \$ 89430 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|----------------------------|
| AI-705-00 | <p>HIGH DENSITY 8 CHANNEL MULTIFUNCTION ANALOG INSTRUMENTATION SUBSYSTEM</p> <p>A High-Density VXI C-Size Instrument for Parallel Analog Test includes 8 channels with voltage ranges from -12 to +12V</p> <p>Each Ai-705-00 channel has 6 independent instruments including</p> <ul style="list-style-type: none">• Function Generator• Arbitrary Waveform Generator• Digitizer• DMM• Limit Detector• Timer Counter <p>VXI plug&play Software for Windows Framework:</p> <ul style="list-style-type: none">• Driver• Soft Front Panel• Function Panel• Self-Test and Calibration Software• Software Media and Documentation on CD-ROM <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service• CE Certification <p>Notes</p> <ul style="list-style-type: none">• Includes software license to use Ai-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|-----------------|
| AI-762-10 | <p>AI-762-10 GENERATION 2 HIGH-PERFORMANCE ANALOG INSTRUMENTATION SUBSYSTEM</p> <p>Analog Test Instrumentation:</p> <ul style="list-style-type: none">• High-density VXI C-Size instrument for high-performance operational and parallel test• (8) Multi-Function Analog (MFA) Tester-Per-Pin Channels<ul style="list-style-type: none">• 1ns resolution Timer/Counter (T/C)• 200 MS/s, 14-bit Arbitrary Waveform Generator (AWG)• 50 MS/s, 12-bit Digitizer• 6½ Digital Multimeter (DMM) <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One-year warranty on Teradyne manufactured PC boards• 90 days Advanced Replacement Service <p>VXI Chassis:</p> <ul style="list-style-type: none">• Ai-76x hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Ai-76x instruments <p>Development Support:</p> <p>For first time integration of the Ai-760 in new or updated test systems, Teradyne recommends the following integration support items:</p> <ul style="list-style-type: none">• 093-403-00 Ai-760 Developer Cable Kit <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use the Ai-76x on the test system that includes this instrument and on stand alone computers used for program development at the same site as the instrument• If physical media is required order 601-196-00 Ai-760 System Software Media Kit <p>Interfaces:</p> <ul style="list-style-type: none">• It is recommended that the MFA Common Interface Board (CIB) P/N # 608-441-50 be used with the instrument. The CIB provides additional SSMB connections for trigger access. | \$ 72920 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|-----------------|
| AI-762-20 | <p>AI-762-20 GENERATION 2 HIGH-PERFORMANCE ANALOG INSTRUMENTATION SUBSYSTEM</p> <p>Analog Test Instrumentation:</p> <ul style="list-style-type: none">• High-density VXI C-Size instrument for high-performance operational and parallel test• (8) Multi-Function Analog (MFA) Tester-Per-Pin Channels<ul style="list-style-type: none">• 1ns resolution Timer/Counter (T/C)• 200 MS/s, 14-bit Arbitrary Waveform Generator (AWG)• 50 MS/s, 12-bit Digitizer• 6½ Digital Multimeter (DMM)• 2-Channel 2 GS/s Digital Sampling Oscilloscope (DSO) <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One-year warranty on Teradyne manufactured PC boards• 90 days Advanced Replacement Service <p>VXI Chassis:</p> <ul style="list-style-type: none">• Ai-76x hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Ai-76x instruments <p>Development Support:</p> <p>For first time integration of the Ai-760 in new or updated test systems, Teradyne recommends the following integration support items:</p> <ul style="list-style-type: none">• 093-403-00 Ai-760 Developer Cable Kit <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use the Ai-76x on the test system that includes this instrument and on stand alone computers used for program development at the same site as the instrument• If physical media is required order 601-196-00 Ai-760 System Software Media Kit <p>Interfaces:</p> <ul style="list-style-type: none">• It is recommended that the MFA Common Interface Board (CIB) P/N # 608-441-50 be used with the instrument. The CIB provides additional SSMB connections for trigger access. | \$ 91640 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|----------------------------|
| AI-762-50 | <p>AI-762-50 GENERATION 2 HIGH-PERFORMANCE ANALOG INSTRUMENTATION SUBSYSTEM</p> <p>Analog Test Instrumentation:</p> <ul style="list-style-type: none">• High-density VXI C-Size instrument for high-performance operational and parallel test• 2-Channel 2 GS/s Digital Sampling Oscilloscope (DSO) <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One-year warranty on Teradyne manufactured PC boards• 90 days Advanced Replacement Service <p>VXI Chassis:</p> <ul style="list-style-type: none">• Ai-76x hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Ai-76x instruments <p>Development Support:</p> <p>For first time integration of the Ai-760 in new or updated test systems, Teradyne recommends the following integration support items:</p> <ul style="list-style-type: none">• 093-403-00 Ai-760 Developer Cable Kit <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use the Ai-76x on the test system that includes this instrument and on stand alone computers used for program development at the same site as the instrument• If physical media is required order 601-196-00 Ai-760 System Software Media Kit | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|--------------------|
| AI-762-60 | <p>AI-762-60 GENERATION 2 8 CHANNEL MULTI-FUNCTION ANALOG (MFA) INSTRUMENT</p> <p>Analog Test Instrumentation:</p> <ul style="list-style-type: none">• High-density VXI C-Size instrument for high-performance operational and parallel test• (8) Multi-Function Analog (MFA) Tester-Per-Pin Channels<ul style="list-style-type: none">• 1ns resolution Timer/Counter (T/C)• 200 MS/s, 14-bit Arbitrary Waveform Generator (AWG)• 50 MS/s, 12-bit Digitizer <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One-year warranty on Teradyne manufactured PC boards• 90 days Advanced Replacement Service <p>VXI Chassis:</p> <ul style="list-style-type: none">• Ai-76x hardware requires an integrated high-power VXI chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Ai-76x instruments <p>Development Support:</p> <p>For first time integration of the Ai-760 in new or updated test systems, Teradyne recommends the following integration support items:</p> <ul style="list-style-type: none">• 093-403-00 Ai-760 Developer Cable Kit <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use the Ai-76x on the test system that includes this instrument and on stand alone computers used for program development at the same site as the instrument• If physical media is required order 601-196-00 Ai-760 System Software Media Kit <p>Interfaces:</p> <ul style="list-style-type: none">• It is recommended that the MFA Common Interface Board (CIB) P/N # 608-441-50 be used with the instrument. The CIB provides additional SSMB connections for trigger access. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|---|------------|
| AI-762-70 | <p>AI-762-70 GENERATION 2 16 CHANNEL MULTI-FUNCTION ANALOG (MFA) INSTRUMENT</p> <p>Analog Test Instrumentation:</p> <ul style="list-style-type: none">• High-density VXi C-Size instrument for high-performance operational and parallel test• (16) Multi-Function Analog (MFA) Tester-Per-Pin Channels<ul style="list-style-type: none">• 1ns resolution Timer/Counter (T/C)• 200 MS/s, 14-bit Arbitrary Waveform Generator (AWG)• 50 MS/s, 12-bit Digitizer <p>NOTES:</p> <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One-year warranty on Teradyne manufactured PC boards• 90 days Advanced Replacement Service <p>VXi Chassis:</p> <ul style="list-style-type: none">• Ai-76x hardware requires an integrated high-power VXi chassis such as the Teradyne 600-528-00 (5.7 KW C-Size) which supports up to 12 Ai-76x instruments <p>Development Support:</p> <p>For first time integration of the Ai-760 in new or updated test systems, Teradyne recommends the following integration support items:</p> <ul style="list-style-type: none">• 093-403-00 Ai-760 Developer Cable Kit <p>Software:</p> <ul style="list-style-type: none">• Includes software license to use the Ai-76x on the test system that includes this instrument and on stand alone computers used for program development at the same site as the instrument• If physical media is required order 601-196-00 Ai-760 System Software Media Kit <p>Interfaces:</p> <ul style="list-style-type: none">• It is recommended that the MFA Common Interface Board (CIB) P/N # 608-441-50 be used with the instrument. The CIB provides additional SSMB connections for trigger access. | \$ 89650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-----------|--|------------------|
| BI-410-00 | <p>4 MODULE BUS TEST INSTRUMENT</p> <ul style="list-style-type: none">• A High-Density VXI C-Size Instrument for Serial Bus Test and Emulation includes 4 Bus Modules.• Supports the Bi-4 Series Basic Bus Set (Mil-STD-1533 A/B, ARINC 429, ARINC 573, RS-232, RS-422, RS-423, RS-485) <p>Each Bi4-Series channel has:</p> <ul style="list-style-type: none">• Bi-Directional Differential Pin Electronics• VXI plug&play Software<ul style="list-style-type: none">• Driver• Soft Front Panel• Function Panel• Self-Test Software <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service• CE Certification <p>Notes</p> <ul style="list-style-type: none">• Includes software license to use Bi-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument. | \$ 106730 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|--|------------------|
| BI-410-01 | <p>4 MODULE BUS TEST INSTRUMENT</p> <ul style="list-style-type: none">• A High-Density VXI C-Size Instrument for Serial Bus Test and Emulation includes 4 Bus Modules.• Supports the Bi-4 Series Basic Bus Set (Mil-STD-1533 A/B, ARINC 429, ARINC 573, RS-232, RS-422, RS-423, RS-485)• VXIbus 4.0 compatible covers <p>Each Bi4-Series channel has:</p> <ul style="list-style-type: none">• Bi-Directional Differential Pin Electronics• VXI plug&play Software:<ul style="list-style-type: none">• Driver• Soft Front Panel• Function Panel• Self-Test Software <p>Hardware Maintenance and Service Support for One Year:</p> <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service• CE Certification <p>Notes</p> <ul style="list-style-type: none">• Includes software license to use Bi-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument. | \$ 106730 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|--|------------------|
| BI-410-20 | 2 MODULE BUS TEST INSTRUMENT <ul style="list-style-type: none">• A High-Density VXI C-Size Instrument for Serial Bus Test and Emulation includes 2 Bus Modules.• Supports the BI-4 Series Basic Bus Set (MIL-STD-1553 A/B, ARINC 429, ARINC 573, RS-232, RS-422, RS-423, RS-485) Each Bi4-Series channel has: <ul style="list-style-type: none">• Bi-Directional Differential Pin Electronics• VXI plug&play Software<ul style="list-style-type: none">• Driver• Soft Front Panel• Function Panel• Self-Test Software Hardware Maintenance and Service Support for One Year: <ul style="list-style-type: none">• One Year Warranty on Teradyne Manufactured PC Boards• 90 days Advanced Replacement Service• CE Certification Notes <ul style="list-style-type: none">• Includes software license to use Bi-Series System Software on the test system that includes the instrument and on stand alone computers used to for program development at the same site as the instrument. | \$ 68740 |
| 672-025-58 | DI-SERIES GEN2 25 MHZ 48-CH 15V CHANNEL CARD WITH 200V HYBRID ANALOG FUNNEL <p>Assembly consists of a Di-Series 25MHz 48-Channel 15V Channel card integrated with a Di-Series 48-Channel Coax Funnel with 200V hybrid relays</p> | \$ 106210 |
| 672-025-59 | DI-SERIES GEN2 25 MHZ 48-CH 30V CHANNEL CARD WITH 200V HYBRID ANALOG FUNNEL <p>Assembly consists of aDi-Series 25MHz 48-Channel 30V Channel card integrated with a Di-Series 48-Channel Coax Funnel with 200V hybrid relays</p> | \$ 125660 |
| 672-050-58 | DI-SERIES GEN2 50 MHZ 48-CH 15V CHANNEL CARD WITH 200V HYBRID ANALOG FUNNEL <p>Assembly consists of aDi-Series 50MHz 48-Channel 15V Channel card integrated with a Di-Series 48-Channel Coax Funnel with 200V hybrid relays</p> | \$ 122680 |
| 672-050-59 | DI-SERIES GEN2 50 MHZ 48-CH 30V CHANNEL CARD WITH 200V HYBRID ANALOG FUNNEL <p>Assembly consists of a Di-Series 50MHz 48-Channel 30V Channel card integrated with a Di-Series 48-Channel Coax Funnel with 200V hybrid relays</p> | \$ 150120 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|--|----------------|
| S9-D00-FQ | SPECTRUM 9100 QUADRAPADDLE FUNNEL INTERFACE FOR 32 CHANNEL DI-SERIES CHANNEL CARD The quadrapaddle connector and funnel is the preferred Interface for the Di in the Spectrum 9100 The Spectrum 9100 quadrapaddle funnel integration kit includes: <ul style="list-style-type: none">• Wireless funnel for 32 channels• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• To use this option the Di channel card must be in the primary VXI chassis located directly behind the VP 90-Series receiver• This item is only available when configured in a new Spectrum 9100 system. | \$ 2940 |
| S9-D00-FM | SPECTRUM 9100 76 PIN MINI-COAX FUNNEL INTERFACE FOR 32 CHANNEL DI-SERIES CHANNEL CARD The 76 pin mini-coax connector and funnel is the preferred Interface for the Di in the Spectrum 9100 when M9 Series ITA compatibility is required The Spectrum 9100 mini-coax funnel integration kit includes: <ul style="list-style-type: none">• Wired funnel for 32 channels• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test Notes: <ul style="list-style-type: none">• This option is only available with the purchase of a new Spectrum 9100 system, and 25 MHz, or 50 MHz 32 channel Di channel card• To use this option the Di channel card must be in the primary VXI chassis located directly behind the VP 90-Series receiver• The 32 Di channels and ground reference wired to the same ICA location as the first 32 channels and the ground reference are wired for a M9-Series digital card | \$ 6970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|---|----------------|
| S9-D01-FQ | SPECTRUM 9100 QUADRAPADDLE FUNNEL INTERFACE FOR 64 CHANNEL DI-SERIES CHANNEL CARD The quadrapaddle connector and funnel is the preferred Interface for the Di in the Spectrum 9100 The Spectrum 9100 quadrapaddle funnel integration kit includes: <ul style="list-style-type: none">• Wireless funnel for 64 channels• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• To use this option the Di channel card must be in the primary VXI chassis located directly behind the VP 90-Series receiver• This item is only available when configured in a new Spectrum 9100 system. | \$ 5320 |
| S9-D02-FQ | SPECTRUM 9100 QUADRAPADDLE FUNNEL INTERFACE FOR 32 CHANNEL DI-SERIES CHANNEL CARD The quadrapaddle connector and funnel is the preferred Interface for the Di in the Spectrum 9100 when in-station Cal/Ver will be performed. The Spectrum 9100 quadrapaddle funnel integration kit includes: <ul style="list-style-type: none">• Wireless funnel for 32 channels• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• To use this option the Di channel card must be in the primary VXI chassis located directly behind the VP 90-Series receiver• This item is only available when configured in a new Spectrum system | \$ 3570 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|---|-----------------|
| S9-D03-FQ | SPECTRUM 9100 QUADRAPADDLE FUNNEL INTERFACE FOR 64 CHANNEL DI-SERIES CHANNEL CARD The quadrapaddle connector and funnel is the preferred Interface for the Di in the Spectrum 9100 when in-station Cal/Ver will be performed. The Spectrum 9100 quadrapaddle funnel integration kit includes: <ul style="list-style-type: none">• Wireless funnel for 64 channels• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• To use this option the Di channel card must be in the primary VXI chassis located directly behind the VP 90-Series receiver• This item is only available when configured in a new Spectrum system | \$ 6920 |
| S9-D01-FM | SPECTRUM 9100 76 PIN MINI-COAX FUNNEL INTERFACE FOR 64 CHANNEL DI-SERIES CHANNEL CARD The 76 pin mini-coax connector and funnel is the preferred Interface for the Di in the Spectrum 9100 when M9 Series ITA compatibility is required The Spectrum 9100 mini-coax funnel integration kit includes: <ul style="list-style-type: none">• Wired funnel for 64 channels• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• This option is only available with the purchase of a new Spectrum 9100 system, and 25 MHz, or 50 MHz 64 channel Di channel card• To use this option the Di channel card must be in the primary VXI chassis located directly behind the VP 90-Series receiver• The first 48 Di channels and ground reference wired to the same ICA location as the 48 channels and the ground reference are wired for a M92X-Series digital card• The 64 Di channels and ground reference wired to the same ICA location as the 64 channels and the ground reference are wired for a M917 digital card | \$ 10820 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|---|----------------|
| S9-D03-FM | SPECTRUM 9100 76 PIN MINI-COAX FUNNEL INTERFACE FOR 48 CHANNEL DI-SERIES CHANNEL CARD When used with the 48 Channel Di-series channel cards, the S9-D03-FM 76 pin mini-coax funnel provides ICA compatibility for the standard funnels used with the M925 and M927 Channel Cards. The Spectrum 9100 48 Channel mini-coax funnel integration kit includes: <ul style="list-style-type: none">• Wired funnel for 48 channels• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• This option is only available with the purchase of a new Spectrum 9100 system, and 25 MHz, or 50 MHz 48 channel Di channel card• To use this option the Di channel card must be in the primary VXI chassis located directly behind the VP90-Series receiver• In addition to the 48 channels and ground reference found on the M9-Series 48 channel mini-coax funnel, the Di-Series 48 channel mini-coax funnel:<ul style="list-style-type: none">• Provides ICA access to signals required to verify the calibration of the 48 Channel Di-Series channel card at the VP 90-Series interface• Provides additional capability to features found in the Di-Series digital instruments that were not available in the M9-Series instruments | \$ 9690 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|--------------------|
| 609-939-00 | <p>SPECTRUM 9100 76 PIN MINI-COAX FUNNEL INTERFACE FOR 64 CHANNEL DI-SERIES CHANNEL CARD WHERE THE LAST 16 CHANNELS ARE UNUSED</p> <p>The 76 pin mini-coax connector and funnel is the preferred Interface for the Di in the Spectrum 9100 when M9 Series ITA compatibility is required</p> <p>The Spectrum 9100 mini-coax funnel integration kit includes:</p> <ul style="list-style-type: none">• Wired funnel for 48 channels (16 Di-Series channels unavailable at ICA)• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test <p>NOTES:</p> <ul style="list-style-type: none">• This option is only available with the purchase of a new Spectrum 9100 system, and 25 MHz, or 50 MHz 64 channel Di channel card• To use this option the Di channel card must be in the primary VXI chassis located directly behind the VP 90-Series receiver• The first 48 Di channels and ground reference wired to the same ICA location as the 48 channels and the ground reference are wired for a M92X-Series digital card. The remaining 16 channels are unused | Consult Factory |
| S9-U00-FQ | <p>SPECTRUM 9100 QUADRA PADDLE FUNNEL INTERFACE FOR DI-SERIES UTILITY INSTRUMENT</p> <p>The quadrapaddle connector and funnel is the preferred Interface for the Di in the Spectrum 9100</p> <p>The Spectrum 9100 quadrapaddle funnel integration kit includes:</p> <ul style="list-style-type: none">• Wireless funnel for Di Utility instrument• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test <p>NOTES:</p> <ul style="list-style-type: none">• To use this option the Di utility instrument must be in the primary VXI chassis located directly behind the VP 90-Series receiver• This item is only available when configured in a new Spectrum 9100 system. | \$ 3150 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------------|---|----------------|
| S9-U01-FQ | SPECTRUM 9100 QUADRA PADDLE FUNNEL INTERFACE FOR DI-SERIES UTILITY INSTRUMENT The quadrapaddle connector and funnel is the preferred Interface for the Di in the Spectrum 9100 when in-station Cal/Ver will be performed. The Spectrum 9100 quadrapaddle funnel integration kit includes: <ul style="list-style-type: none">• Wireless funnel for Di Utility instrument• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• To use this option the Di utility instrument must be in the primary VXI chassis located directly behind the VP 90-Series receiver• This item is only available when configured in a new Spectrum 9100system | \$ 4760 |
| S9-U00-FM | SPECTRUM 9100 76 PIN MINI-COAX FUNNEL INTERFACE FOR DI-SERIES UTILITY INSTRUMENT The 76 pin mini-coax connector and funnel is the preferred Interface for the Di in the Spectrum 9100 when M9 Series ITA compatibility is required The Spectrum 9100 mini-coax funnel integration kit includes: <ul style="list-style-type: none">• Wired funnel for the Di utility instrument• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• This option is only available with the purchase of a new Spectrum 9100 system, and Di utility instrument• To use this option the Di utility instrument must be in the primary VXI chassis located directly behind the VP 90-Series receiver• The Di utility instrument signals will be presented at the same location on the 76 pin mini-coax module as the corresponding signals are on the M918 CRB (Central Resource Board) | \$ 7350 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|---|----------------------------|
| S9-A00-FM | SPECTRUM 9100 76 PIN MINI-COAX FUNNEL INTERFACE FOR AI-760 The Spectrum 9100 mini-coax funnel integration kit includes: <ul style="list-style-type: none">• Wired funnel for Ai-760 Series Analog Test Instrument• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• This option is only available with the purchase of a new Spectrum 9100 system, and Ai-760 Series Analog Test Instrument• To use this option the Ai-760 Series Analog Test Instrument must be in the primary VXI chassis located directly behind the VP 90-Series receiver | Consult Factory |
| S9-A01-FM | SPECTRUM 9100 76 PIN MINI-COAX FUNNEL INTERFACE FOR AI-760 SERIES GEN 2 ANALOG TEST INSTRUMENTS The Spectrum 9100 mini-coax funnel integration kit includes: <ul style="list-style-type: none">• Wired funnel for Ai-760 Series Gen 2 Analog Test Instrument• Self-evaluation fixture wiring• Integration• Confidence test• Wire verification test NOTES: <ul style="list-style-type: none">• This option is only available with the purchase of a new Spectrum 9100 system, and Ai-760 Series Analog Test Instrument• To use this option the Ai-760 Series Analog Test Instrument must be in the primary VXI chassis located directly behind the VP 90-Series receiver | \$ 7680 |
| 610-685-02 | MPI INTEGRATION KIT FOR SPECTRUM 9100 | \$ 9160 |
| 610-685-04 | MPI INTEGRATION KIT FOR SPECTRUM HS | Consult Factory |
| 610-685-05 | MPI INTEGRATION KIT FOR SPECTRUM BT | Consult Factory |
| 660-159-00 | 10X PASSIVE PROBE FOR MPI | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--|---|----------------------------|
| TERADYNE VXI INSTRUMENTATION INTEGRATION KITS FOR SPRING PROBE RECEIVER | | |
| AI-705-52 | AI7 SERIES 8 CHANNEL PARALLEL ANALOG TEST INSTRUMENT W/TTI INTERFACE Teradyne Ai710 8 channel high density VXI C-Size instrument for parallel analog test with spring probe receiver integration. Includes Ai-705 parallel analog test instrument, receiver wiring, software driver, self-evaluation fixture wiring, and integrated confidence and wire verification self-test. NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| AI-710-52 | AI7 SERIES 32 CHANNEL PARALLEL ANALOG TEST INSTRUMENT W/TTI INTERFACE Teradyne Ai710 32 channel high density VXI C-Size instrument for parallel analog test with spring probe receiver integration. Includes Ai-710 parallel analog test instrument, receiver wiring, software driver, self-evaluation fixture wiring, and integrated confidence and wire verification self-test. NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 90240 |
| BI-410-53 | BI-410 4-CHANNEL BUS TEST INSTRUMENT W/TTI INTERFACE Teradyne High-Density VXI C-Size Instrument for Serial Bus Test and Emulation with spring probe receiver integration. Includes 4 bus module bus test instrument, receiver wiring, software driver, self-evaluation fixture wiring, and integrated confidence and wire verification self-test. Each Bi4-Series channel has: <ul style="list-style-type: none">• Bi-Directional Differential Pin Electronics• VXI plug&play Software:<ul style="list-style-type: none">• Driver• Soft Front Panel• Function Panel• Self-Test Software NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 109510 |
| TERADYNE PXI INSTRUMENTATION INTEGRATION KITS | | |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|--------------------|
| 622-458-03 | WIRE VERIFICATION TEST MATERIAL AND INTEGRATION OF THE WIRE VERIFICATION TEST FOR THE EDIGITAL-6020 LVTTTL IO EXPANSION INSTRUMENT This item contains the self evaluation fixture wiring, and integration of wire verification selftest. NOTE: This item is only available when configured in a new HSSub, or Spectrum HS system containing one of the eDigital-6020 LVTTTL IO Expansion Instruments and associated funnel adapter if not integrated into the eDigital-6020 Instrument | Consult Factory |
| 622-572-00 | TIMING MODULE FUNNEL ADAPTER (PLASTIC) | \$ 3330 |
| 357-604-18 | G20 MX FUNNEL FOR TIMING AND SYNCHRONIZATION MODULE | \$ 3520 |
| 660-865-00 | WRAP BLOCK FOR TIMING MODULE - MX Includes material, build, design, and documentation for the PXI timing module | \$ 1610 |
| 622-459-13 | WVT MATERIAL FOR I2 HSSUB-6065 2 PORT OPTICAL IO EXPANSION INSTRUMENT This item contains the self evaluation fixture wiring, and integration of wire verification selftest. | \$ 2730 |
| 622-572-03 | WIRE VERIFICATION TEST MATERIAL AND INTEGRATION OF THE WIRE VERIFICATION TEST FOR THE 361-778-06 TIMING AND SYNCHRONIZATION CONTROLLER This item contains the self evaluation fixture wiring, and integration of wire verification selftest. NOTE: This item is only available when configured in a new HSSub, or Spectrum HS system containing the 361-778-06 Timing and Synchronization Controller and 622-572-00 Timing Module Funnel. | \$ 1630 |
| 622-463-03 | VPC ITA CONNECTOR WIRED FOR WIRE VERIFICATION TEST OF RS485 FIOXI EXPANSION INSTRUMENT WITH FUNNEL This part is for use in a G20-Series ITA Enclosure | \$ 1770 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 622-467-03 | WVT CONNECTOR FOR HSSUB-6040 WITH FUNNEL VPC ITA connector wired for Wire Verification Test of HSSub-6040 Instrument with Funnel (614-383-90) and HSSub-6140 instrument with Funnel (664-840-90) with i2 MX VTAC ICA connectors for copper IO. | \$ 5430 |
| 628-302-13 | WVT MATERIAL FOR HSSUB-6090 1-SLOT 8 PORT ETHERNET IO EXPANSION INSTRUMENT This item contains the self evaluation fixture wiring, and integration of wire verification selftest. | \$ 2820 |
| 636-285-03 | WVT CONNECTOR FOR HSSUB-8030 PBI WITH FUNNEL - G20 VPC ITA connector wired for Wire Verification Test of HSSub-8030 Peripheral Bus Instrument with Funnel | \$ 4370 |
| 640-041-03 | VPC ITA CONNECTOR WIRED FOR WIRE VERIFICATION TEST OF HSSUB-6020 LVTTTL IO EXPANSION INSTRUMENT WITH FUNNEL This part is for use in a G20-Series ITA Enclosure | \$ 1570 |
| 640-041-13 | WVT CONNECTOR FOR HSSUB-6020A EDIGITAL WITH FUNNEL VPC ITA connector wired for Wire Verification Test of HSSub-6020A eDigital Instrument (630-666-90) with Funnel with i2 MX ICA connectors. | \$ 2640 |
| 654-155-44 | SPECTRUM-SERIES STANDARD RECEIVER INTEGRATION FOR AIT DUAL CHANNEL 1553 PXI INSTRUMENT Integration includes ICA cable, WVT (Wire Verification Test) ITA assembly and WVT software integration | \$ 3910 |
| 660-635-00 | ICA CABLE FOR 12G SERIAL IO EXPANSION INSTRUMENT | \$ 11050 |
| 660-635-03 | VPC ITA CONNECTOR WIRED FOR WIRE VERIFICATION TEST OF This part is for use in a G20-Series ITA Enclosure | \$ 3680 |
| 662-404-03 | VPC ITA CONNECTOR WIRED FOR PERFORMANCE DIFFERENTIAL WIRE VERIFICATION TEST OF HSSUB-6020 LVTTTL IO EXPANSION INSTRUMENT WITH FUNNEL This part is for use in a G20-Series ITA Enclosure | \$ 2130 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------------------|
| 709-954-00 | UPGRADE FROM AN EDIGITAL-6020A TO AN EDIGITAL-6030 This item is only available as part of a new Spectrum HS or BT system that contains an eDigital-6020A bundled in the foundation. | \$ 29770 |
| | OEM INSTRUMENTATION INTEGRATION KITS FOR SPECTRUM CROSS-POINT MATRIX | |
| 606-771-00 | RACAL ARBITRARY WAVEFORM GENERATOR Arbitrary Waveform Generator (Racal 3152B), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 30930 |
| M-991-46 | AGILENT 1412A (DMM) W/SCPM CABLING Digital Multimeter (Agilent 1412A), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| M-991-38 | AGILENT 1420B (TIM/CTR) W/SCPM CABLING Timer Counter (Agilent 1420B), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| | OEM INSTRUMENTATION INTEGRATION KITS FOR VPC RECEIVERS | |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|--------------------|
| 606-771-10 | RACAL ARBITRARY WAVEFORM GENERATOR W/VPC INTERFACE Arbitrary Waveform Generator (Racal 3152B), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: • This item is only available when configured in a new Spectrum 9100 system. | \$ 33440 |
| M-991-44 | AGILENT 1412A (DMM) W/VPC INTERFACE Digital Multimeter (Agilent 1412A), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: • This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| M-991-36 | AGILENT 1420B(TIM/CTR) W/VPC INTERFACE Timer Counter (Agilent 1420B), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: • This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| 361-409-02 | TIMER COUNTER (53220A 350 MHZ), INCLUDING LXI SOFTWARE DRIVER AND SELF TEST SOFTWARE | \$ 13910 |
| 629-871-00 | DIGITAL MULTIMETER (M9183A), INCLUDING PXI SOFTWARE DRIVER AND SELF TEST SOFTWARE The Keysight M9183A is a 6½ digit PXI digital multimeter that measures common parameters such as DCV, DCI, ACV, ACI, 2- and 4-wire resistance, frequency, capacitance, and temperature. It offers 40 ppm basic DCV measurement accuracy, excellent noise rejection, and handles inputs of up to 300 V. | \$ 6610 |
| 631-364-00 | ARBITRARY WAVEFORM GENERATOR (33522B 30 MHZ, 2-CHANNEL), INCLUDING LXI SOFTWARE DRIVER AND SELF TEST SOFTWARE | \$ 12600 |
| 636-124-05 | SWITCH MODULE - 1-POLE 24X4 MATRIX WITH ICA CABLE AND WVT | \$ 8080 |
| 636-124-06 | SWITCH MODULE - 10OFF SP4T 500 MHZ WITH ICA CABLE AND | \$ 22010 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------------------|
| 636-124-07 | SWITCH MODULE - 32 SPST 2A (40-137-101) WITH ICA CABLE AND WVT This item contains the 32 SPST 2A PXI switch module, ICA wiring, self evaluation fixture wiring, and integration of wire verification selftest using a G20, G20X, or G40 ITA Note: This item is only available when configured in a new Spectrum HS, or Spectrum BT system | \$ 9800 |
| 636-124-08 | SWITCH MODULE 64X4 1-POLE 2A (40-585-001) WITH ICA CABLE AND WVT This item contains the 64 1-pole 2A PXI switches supporting 256 crosspoints, ICA wiring, self evaluation fixture wiring, and integration of wire verification selftest using a G20, G20X, or G40 ITA Note: This item is only available when configured in a new Spectrum HS, or Spectrum BT system | Consult Factory |
| 636-124-09 | SWITCH MODULE - 12 SPST 16A WITH ICA CABLE AND WVT | Consult Factory |
| 636-125-23 | SWITCH MODULE - 1-POLE 24X4 MATRIX SWITCH, 150VDC, 1.2A MAX | \$ 5520 |
| 636-125-24 | SWITCH MODULE - 10OFF SP4T 500 MHZ 500 MHZ MAX, 50 OHM | \$ 17910 |
| 636-125-25 | SWITCH MODULE - 32 SPST 400VDC, 2A MAX | \$ 8140 |
| 636-125-26 | SWITCH MODULE 64X4 1-POLE 300VDC, 2A MAX | \$ 10960 |
| 636-125-27 | SWITCH MODULE - 12 SPST 16A 400VDC, 16A MAX | \$ 4940 |
| 660-148-00 | VPC RECEIVER INTEGRATION AND WVT CHECKERS FOR SPECTRUM SYSTEM STANDARD N6700 POWER MODULES Per supply integration for any N6700 power supply module listed in the Spectrum Series Price Catalog. Integration includes Spectrum system selftest, WVT test hardware, and documentation. | \$ 1350 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------------------|
| 660-148-01 | VPC RECEIVER INTEGRATION AND CHECKERS FOR ONE STANDARD ANALOG INSTRUMENT Instruments supported: <ul style="list-style-type: none">• M9183 DMM• 53220A Timer Counter• 33522B Arbitrary Waveform Generator | \$ 2620 |
| 660-148-04 | SCPM INTEGRATION AND WVT CHECKERS FOR ONE STANDARD ANALOG INSTRUMENT Instrumente supported ; <ul style="list-style-type: none">• M9183 DMM• 53220A Timer Counter• 33522B Arbitrary Waveform Generator | \$ 1570 |
| | OEM INSTRUMENTATION INTEGRATION KITS FOR SPRING PROBE RECEIVER | |
| 606-771-20 | RACAL ARBGEN W/TTI INTERFACE Arbitrary Waveform Generator (Racal 3152B), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | \$ 31010 |
| M-991-45 | AGILENT 1412A DMM W/TTI INTERFACE Digital Multimeter (Agilent 1412A), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| M-991-37 | AGILENT 1420B (TIM/CTR) W/TTI INTERFACE Timer Counter (Agilent 1420B), including VXI software driver, self evaluation fixture wiring, and integrated confidence and wire verification selftest (1 VXI slot). NOTE: <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| | OEM INSTRUMENTATION - NO RECEIVER INTEGRATION For use with custom-wired receivers. Consult the factory for assistance. | |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------------------|
| 606-771-30 | RACAL ARB WAVEFORM GEN Arbitrary Waveform Generator (Racal 3152B), including VXI software driver and integrated confidence test (1VXIslot). NOTE: <ul style="list-style-type: none">This item is only available when configured in a new Spectrum 9100 system. | \$ 29860 |
| M-991-31 | AGILENT 1412A (DMM) Digital Multimeter (Agilent 1412A), including VXI software driver and integrated confidence test (1 VXI slot). NOTE: <ul style="list-style-type: none">This item is only available when configured in a new Spectrum 9100 system. | Consult Factory |
| M-991-30 | AGILENT 1420B (TIMER/COUNTER) Timer Counter (Agilent 1420B), including VXI software driver and integrated confidence test (1 VXI slot). NOTE: <ul style="list-style-type: none">This item is only available when configured in a new Spectrum 9100 system. NON-STANDARD OEM INSTRUMENTATION Advanced Replacement Service may not be available for the following parts as they are not stocked in our repair inventory locations. | Consult Factory |
| 654-155-41 | SPECTRUM-SERIES STANDARD RECEIVER INTEGRATION FOR ZT-SERIES VXI INSTRUMENT Integration includes ICA cable, WVT (Wire Verification Test) ITA assembly and WVT software integration | \$ 3240 |
| 622-962-69 | VPC ITA CONNECTOR WIRED FOR WIRE VERIFICATION TEST OF FOR ONE STANDARD ANALOG INSTRUMENT This part is for use in a G20-Series ITA Enclosure with one fo the following parts: <ul style="list-style-type: none">M9183 DMM53220A Timer Counter33522B Arbitrary Waveform Generator | \$ 880 |
| 654-155-43 | SPECTRUM-SERIES STANDARD RECEIVER INTEGRATION FOR ZT-SERIES PXI INSTRUMENT Integration includes ICA cable, WVT (Wire Verification Test) ITA assembly and WVT software integration | \$ 1950 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|----------------|---|------------|
| 654-155-45 | RECEIVER INTEGRATION FOR ZT-SERIES LXI INSTRUMENT WITH WVT | \$ 2120 |
| 654-155-46 | RECEIVER INTEGRATION FOR AIT PXI INSTRUMENT | \$ 3390 |
| 654-155-47 | VPC ITA CONNECTOR WIRED FOR WIRE VERIFICATION TEST OF FOR ZT-SERIES LXI INSTRUMENT This part is for use in a G20-Series ITA Enclosure | \$ 1240 |
| 654-155-48 | VPC ITA CONNECTOR WIRED FOR WIRE VERIFICATION TEST OF FOR ONE TERADYNE AIT DUAL CHANNEL 1553 PXI INSTRUMENT This part is for use in a G20-Series ITA Enclosure | \$ 980 |
| 660-148-03 | VPC RECEIVER INTEGRATION (NO WVT CHECKER) FOR ONE STANDARD ANALOG INSTRUMENT Includes cable material, build, design, and documentation for one of the following 3 instruments <ul style="list-style-type: none">• M9183 DMM• 53220A Timer Counter• 33522B Arbitrary Waveform Generator | \$ 1750 |
| PXIE1553EF2 | EXTENDED FUNCTION DUAL 1553 CHANNEL ON 3U PXIE | \$ 16940 |
| PXIE1553EF4 | EXTENDED FUNCTION QUAD 1553 CHANNEL ON 3U PXIE | \$ 20960 |
| PXIC42916 | 16 CHANNEL ARINC 429 PXI INTERFACE | Consult |
| PXIE42916VHDCI | 16 CHANNEL ARINC429 PXIE, VARIABLE OUTPUT VOLTAGE & OFFSET | \$ 10190 |
| PXIEC664 | ARINC-664-P& AFDX CPCI BOARD (PXIEC664V2) | \$ 10900 |
| PXIEFC44GB | DUAL PORT FC SIMULYZER FOR PXIE HYBRID SLOT, 4GB RAM | \$ 45640 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| VXI1553T1 | EXTENDED FUNCTION SINGLE 1553 CHANNEL ON C-SIZE VXI INTERFACE | \$ 19510 |
| VXI1553T2 | EXTENDED FUNCTION DUAL 1553 CHANNEL ON C-SIZE VXI INTERFACE | \$ 24380 |
| 629-906-01 | SWITCH MODULE - 32 SPST 2A | \$ 4890 |
| 629-907-01 | MODULE - 1-POLE 24X4 MATRIX SWITCH | \$ 4270 |
| 631-250-01 | SWITCH MODULE - 10OFF SP4T 500 MHZ | \$ 9320 |
| VXI42916 | 16 CHANNEL ARINC 429 PXI INTERFACE | \$ 16020 |
| 673-884-00 | DI-SERIES 30V EXPANSION KIT This digital expansion kit contains 144 channels of 15V 25 MHz digital channels and 48 channels of 30V 25 MHz digital channels consisting of (3) 626-414-01 Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 638-518-00 Di-Series Generation 2 50 MHZ 48-Channel 30V Channel Card (Di-050-49) w/VPC Interface (4) M-903-04 SCPM 48-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY | \$ 549200 |
| 673-885-00 | BUS TEST AUGMENTATION KIT This augmentation kit contains a Fibre Channel Instrument and a 4-module extended bus test instrument consisting of (2) Bi-411-01 4 MODULE BUS TEST INSTRUMENT (1) PXIe-FC4SF-4GB AIT Fibre Channel Instrument | \$ 247620 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|--|-------------------|
| 710-084-00 | DI-SERIES 336 DIGITAL CHANNEL KIT The 336 digital channel M9-Series to Di-Series 25 MHz, 15V upgrade kit contains combines several catalog items for purchasing convenience consisting of (7) 672-025-58 Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 697-285-00 Di-Series Generation 2 Utility Instrument (DI-050-31) w/VPC Interface (1) Di-002-16 DI-SERIES GUIDED PROBE AND CABLE KIT with 48" Ribbon Cable Length (21) 971-644-17 DI-Series to SCPM cable | \$ 804620 |
| 710-085-00 | DI-SERIES 528 DIGITAL CHANNEL KIT The 528 digital channel M9-Series to Di-Series 25 MHz, 15V upgrade kit contains combines several catalog items for purchasing convenience consisting of (11) 672-025-58 Di-Series Gen2 25 MHZ 48-Ch 15V Channel Card with VPC Interface and 200V Hybrid Relay (1) 697-285-00 Di-Series Generation 2 Utility Instrument (DI-050-31) w/VPC Interface (1) Di-002-16 DI-SERIES GUIDED PROBE AND CABLE KIT with 48" Ribbon Cable Length (33) 971-644-17 DI-Series to SCPM cable | \$ 1235880 |
| 854-991-96 | GPIB INSTRUMENT INTGRN KITS - VENTED | \$ 280 |
| 854-991-97 | GPIB INSTRUMENT INTGRN KITS | \$ 290 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|---|---|-----------------|
| Section I: SPECTRUM CROSS-POINT MATRIX OPTIONS | | |
| 612-271-00 | CROSSPOINT MATRIX CHASSIS II LAN Controlled Spectrum Cross-Point Matrix (SCPM) Chassis including associated power and Ethernet cables. This chassis offers all the capability of the SCPM VXI controlled chassis without requiring the use of a VXI chassis slot. • This item is only available when configured in a new Spectrum 9100 system. | \$ 26760 |
| M-903-05 | SPECTRUM CROSSPOINT MATRIX CHASSIS • This item is only available when configured in a new Spectrum 9100 system. | \$ 28210 |
| M-903-00 | SPECTRUM CROSSPOINT MATRIX CHASSIS Spectrum Cross-Point Matrix (SCPM) Chassis including VXI Control Board and associated power and control cables. | \$ 28220 |
| M-903-01 | SCPM 12-PORT INSTRUMENT MODULE The 12 port instrument module provides switching between 12 instrument signals and the 16 analog backplane lines of the SCPM chassis. | \$ 15110 |
| M-903-04 | SCPM 48-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY The 48 channel matrix module provides switching between 48 analog channels and the 16 analog backplane lines of the SCPM chassis | \$ 18360 |
| M-903-37 | SCPM 64-CHANNEL MATRIX MODULE W/CROSS CHANNELING CAPABILITY The 64 channel matrix module provides switching between 64 analog channels and the 16 analog backplane lines of the SCPM chassis. NOTE: • This item is only available when configured in a new Spectrum 9100 system. | \$ 24220 |
| M-903-03 | SCPM PASS -THRU MODULE NOTE: • This item is only available when configured in a new Spectrum 9100 | \$ 3570 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 616-636-00 | <p>SCPM 48-CHANNEL MATRIX MODULE FOR USE WITH DI-SERIES DIGITAL</p> <p>The 48 channel matrix module provides switching between 48 analog channels and the 16 analog backplane lines of the SCPM chassis. This matrix module is designed to be used with Di-Series channel cards when M9-Series compatibility is a requirement. Part number M-903-04 should be used with M9-Series channel cards. For most Di-Series applications 64 channel SCPM Matrix modules (PN M-903-37) are preferred.</p> <p>NOTE:</p> <ul style="list-style-type: none">• This item is only available when configured in a new Spectrum 9100 system <p>INTERFACE CABLES</p> <p>Integration kits are available for the standard instruments (see page 27). Therefore, cable selection is not required for standard instruments. The following provides cabling options for non-standard instruments. Consult the factory for assistance</p> | \$ 18360 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

Section J: SOFTWARE OPTIONS

TERADYNE TEST PROGRAM DEVELOPMENT TOOLS

For LASAR V6 Simulation System, the Teradyne Lasar Price List. A brief description of these Lasar Products follows:

Teradyne's LASAR software is the defense-industry standard for generating digital test programs and diagnostics to run on high-speed functional testers. LASAR uses min/max timing analysis and advanced simulation and fault-simulation algorithms to deliver accurate, repeatable tests with minimal debug time. LASAR reduces the time and effort required developing complex digital TPS.

M-993-12

SPECTRUM OFF-LINE PROGRAMMING PACKAGE SITE LICENSE

\$ 74830

SPECTRUM System Software

- TestStudio
- TestStudio ADE Add-ins
- Teradyne Manufactured Instrumentation VXIplug&play driver software
- TestStudio DTI Add-in
- LSRTAP input reader software
- SVF input reader software
- VXIplug&play driver for SPECTRUM power supplies (Agilent 66000A)
- VXIplug&play drivers for SPECTRUM standard analog instrument group
- SPECTRUM Cross-Point Matrix Add-in
- Teradyne's Diagnostic Software including:
 - Guided Probe Diagnostics
 - Fault Dictionary Diagnostics
 - Boundary-Scan Intelligent Diagnostics (BSID)

NOTE:

- Teradyne LASAR tools and Application Development Environment (ADE) software are not apart of this package but can be added.
- A site license covers all systems located within a one (1) mile radius of the site quoted.



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| M-993-10 | SPECTRUM OFF-LINE PROGRAMMING PACKAGE LICENSE SPECTRUM System Software <ul style="list-style-type: none">• TestStudio• TestStudio ADE Add-ins• Teradyne Manufactured Instrumentation VXIplug&play driver software• TestStudio DTI Add-in• LSRTAP input reader software• SVF input reader software• VXIplug&play driver for SPECTRUM power supplies (Agilent 66000A)• VXIplug&play drivers for SPECTRUM standard analog instrument group• SPECTRUM Cross-Point Matrix Add-in• Teradyne's Diagnostic Software including:<ul style="list-style-type: none">• Guided Probe Diagnostics• Fault Dictionary Diagnostics• Boundary-Scan Intelligent Diagnostics (BSID) NOTES: <ul style="list-style-type: none">• Teradyne LASAR tools and Application Development Environment (ADE) software are not apart of this package but can be added. | \$ 18740 |
| | APPLICATION DEVELOPMENT ENVIRONMENTS (ADEs) | |
| M-993-31 | LABVIEW FULL DEVELOPMENT SYSTEM 2012 OR LATER | Consult Factory |
| 637-663-00 | LABWINDOWS/CVI FULL DEVELOPMENT SYSTEM | Consult Factory |
| 637-664-00 | MEASUREMENT STUDIO PROFESSIONAL EDITION | Consult Factory |
| 653-210-00 | MICROSOFT VISUAL STUDIO 2015,OR LATER WITH INSTALLATION ON SPECTRUM PC | \$ 2010 |
| | M9-SERIES SOFTWARE TOOLS To facilitate the migration of legacy L-Series test programs to the SPECTRUM 9000-Series Test System, Teradyne offers the L-Series to | |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------------------|
| PS-042-00 | <p>TPS CONVERTER STUDIO TRANSLATION SOFTWARE LICENSE</p> <p>Site License for TPS Converter Studio includes 3 weeks of applications time (P/Ns PS-042-00 & 777-464-42 x 3).</p> <p>Translator for L-Series (Program Guide 1.0 VX/3.2 or greater and AX2.02 or greater) :</p> <ul style="list-style-type: none">• Pre-processor to read L-Series text files• Post-processor to ANSI C language• CSHELL L-Series Applications Programming Interface• Site license for both translator and CShell (1 mile radius) <p>Documentation:</p> <ul style="list-style-type: none">• User Documentation• L-Series Language Module Function Reference• Translation Tips <p>Software Support Agreement for one year including:</p> <ul style="list-style-type: none">• Software and documentation updates• Access to Teradyne Support Center• Customer Bulletins | \$ 68500 |
| 617-144-00 | <p>SPECTRUM 9100 SOFTWARE LICENSE (FOR SPECTRUM 9000-SERIES TESTERS NOT PURCHASED FROM TERADYNE)</p> <p>Required for used Teradyne S9100-Series test systems not purchased from Teradyne. As required by the Customer License Agreement signed by the original purchaser, the transfer must be recorded before Teradyne-supplied parts, software, or other services can be provided for the tester</p> | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| 616-276-30 | <p>FLOATING SPECTRUM 9100 CALIBRATION VERIFICATION LICENSE FOR TERADYNE INSTRUMENTS</p> <p>Teradyne System calibration verification software license for Teradyne Ai-760 Series, Bi-Series, M9-Series and Di-Series instruments. License includes tailoring software for customer configuration, calibration verification, ITA design and on-site integration.</p> <p>Notes:</p> <ul style="list-style-type: none">• Computer running the calibration verification software must be running latest Spectrum 9100 software• Calibration verification ITA must be purchased from Teradyne, or built to documentation provided by Teradyne• Teradyne required calibration transfer standards must be purchased by customer and made available to Teradyne for both Teradyne factory and on-site integration• Requires on-site integration - customer must make system available to Teradyne for integration. Typical on-site integration and ATP is 1 week• Calibration verification for Bi-Series, M9-Series, and Di-Series• Calibration verification and calibration for Ai-760 Series• If instrument fails calibration verification then it must be returned to the factory for calibration at standard calibration repair rates.• License covers any number of systems of the same configuration provided the software is only used on one system at a time<ul style="list-style-type: none">• Depopulation options do not require a separate license | \$ 25690 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| 618-402-00 | <p>NODE LOCKED SPECTRUM 9100 CALIBRATION VERIFICATION LICENSE FOR TERADYNE INSTRUMENTS</p> <p>Teradyne System calibration verification software license for Teradyne Ai-760 Series, Bi-Series, M9-Series and Di-Series instruments. License includes tailoring software for customer configuration, calibration verification, ITA design and on-site integration.</p> <p>Notes:</p> <ul style="list-style-type: none">• Computer running the calibration verification software must be running latest Spectrum 9100 software• Calibration verification ITA must be purchased from Teradyne, or built to documentation provided by Teradyne• Teradyne required calibration transfer standards must be purchased by customer and made available to Teradyne for both Teradyne factory and on-site integration• Requires on-site integration - customer must make system available to Teradyne for integration. Typical on-site integration and ATP is 1 week• Calibration verification for Bi-Series, M9-Series, and Di-Series• Calibration verification and calibration for Ai-760 Series• If instrument fails calibration verification then it must be returned to the factory for calibration at standard calibration repair rates.• License is only to be used on one system | \$ 18740 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| 618-403-00 | <p>PROGRAM WIDE SPECTRUM 9100 CALIBRATION VERIFICATION LICENSE FOR TERADYNE INSTRUMENTS</p> <p>Teradyne System calibration verification software license for Teradyne Ai-760 Series, Bi-Series, M9-Series and Di-Series instruments. License includes tailoring software for customer configuration, calibration verification, ITA design and on-site integration.</p> <p>Notes:</p> <ul style="list-style-type: none">• Computer running the calibration verification software must be running latest Spectrum 9100 software• Calibration verification ITA must be purchased from Teradyne, or built to documentation provided by Teradyne• Teradyne required calibration transfer standards must be purchased by customer and made available to Teradyne for both Teradyne factory and on-site integration• Requires on-site integration - customer must make system available to Teradyne for integration. Typical on-site integration and ATP is 1 week• Calibration verification for Bi-Series, M9-Series, and Di-Series• Calibration verification and calibration for Ai-760 Series• If instrument fails calibration verification then it must be returned to the factory for calibration at standard calibration repair rates.• License covers any number of systems of the exact same configuration Calibration is only available on Ai-760, other instruments are calibration verification only<ul style="list-style-type: none">• Depopulation options do not require a separate license | \$ 74830 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------------------------|--|--------------------|
| Section L: SPARES | | |
| 417-571-01 | SPARE PCIMXI2 INTERFACE | Consult Factory |
| 417-571-02 | SPARE NI,777178-01 VXI-MXI-2 SLOT 0 CONTROLLER | Consult Factory |
| 417-572-00 | SPARE RACAL 1261B VXI CHASSIS | Consult Factory |
| 417-577-02 | SPARE TIMER/COUNTER FUNNEL | Consult Factory |
| 417-577-03 | SPARE ARB FUNNEL | Consult Factory |
| 417-577-04 | SPARE ASCOR 3000-52 FUNNEL | Consult Factory |
| 417-579-20 | SPARE 20 KVA TEAL PDU | \$ 48130 |
| 417-580-00 | SPARE S9 VPC FUNNEL FOR M918 | Consult Factory |
| 417-580-01 | SPARE S9 FUNNEL FOR M917 | Consult Factory |
| 417-591-00 | SPARE SCPM CHASSIS | \$ 15320 |
| 417-591-01 | SPARE CROSSPOINT VXI INTERFACE BOARD | \$ 8850 |
| 600-774-00 | SPARE S9 MINI-COAX FUNNEL W/CIB FOR 64 CH DI-SERIES | \$ 8700 |
| 601-087-01 | SPARE 5.7 KW CHASSIS POWER SUPPLY TRAY | \$ 27640 |
| 601-088-01 | HIGH FLOW 5.7 KW VXI CHASSIS FAN TRAY | \$ 5590 |
| 602-934-01 | SPARE S9 QUADRAPADDLE FUNNEL W/CIB FOR 32 CH DI-SERIES | Consult Factory |
| 602-934-02 | SPARE S9 MINI-COAX FUNNEL W/CIB FOR 32 CH DI-SERIES | Consult |
| 602-934-03 | SPARE S9 QUADRAPADDLE FUNNEL W/CIB FOR 64 CH DI-SERIES | \$ 4370 |
| 602-934-04 | SPARE S9 MINI-COAX FUNNEL W/CIB FOR 32/64 CH DI-SERIES PAIR | Consult Factory |
| 602-934-05 | SPARE S9 QUADRAPADDLE FUNNEL W/CIB FOR DI-SERIES UTILITY INSTRUMENT | \$ 2520 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|--------------------|
| 602-934-06 | SPARE S9 MINI-COAX FUNNEL W/CIB FOR DI-SERIES UTILITY INSTRUMENT | \$ 5460 |
| 602-934-07 | AI-761-20 FUNNEL ADAPTER | Consult Factory |
| 602-934-08 | SPARE S9 FUNNEL FOR M967 | Consult Factory |
| 602-934-09 | SPARE S9 FUNNEL FOR 2 OR 4 CHANNEL BI4 | \$ 6080 |
| 602-934-10 | SPARE S9 FUNNEL FOR AI-705 OR AI-710 | \$ 4900 |
| 602-934-22 | SPARE 64-CHANNEL SCPM MATRIX MODULE CBL ASSY (20P, 18") | \$ 330 |
| 602-934-24 | SPARE 10 KVA TEAL PDU | \$ 44880 |
| 602-934-25 | SPARE 30 KVA TEAL PDU | \$ 75680 |
| 602-934-28 | SPARE FLAT PANEL DISPLAY | \$ 1260 |
| 602-934-31 | SPARE SCPM II CHASSIS (612-271-00) | \$ 24680 |
| 602-934-66 | SPARE SPECTRUM 9100 MINI-COAX FUNNEL W/CIB FOR 48 CH DI-SERIES | \$ 8440 |
| 622-962-91 | SPARE N6700C 400 WATT USER POWER MAINFRAME | \$ 9010 |
| 622-962-92 | SPARE N6702C 1200 WATT USER POWER MAINFRAME | \$ 12370 |
| 691-838-81 | SPARE SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 2U Consists of : <ul style="list-style-type: none">• Server class Motherboard with 2 PCIe 4.0 x16, 2 PCIe 4.0 x8 Slots, 1 1xPCIe 4.0 x4 (in x16 slot), TPM 2.0 Chip• 3rd Generation Intel® Xeon® Scalable Silver 4310 Icy Lake 12-Core 2.10GHz Processor• (4) 8GB DDR4 PC4-17000 2133MHz (32GB total)• Blu-Ray DVD/RW, 6X BD-R 2X BD-RE, 8x DVD+R• Two removable 1TB 2.5" SATA3 Solid State Drive SSD installed• One removable 1TB 2.5" SATA3 Solid State Drive SSD shipped outside computer• Microsoft Windows Professional, 64-Bit• Windows Factory Image on Blu-Ray & bootable CD | \$ 12570 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|--------------------|
| 691-838-82 | SPARE ADVANCED SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 2U Consists of : <ul style="list-style-type: none">• Server class Motherboard with 2 PCIe 4.0 x16, 2 PCIe 4.0 x8 Slots, 1 1xPCIe 4.0 x4 (in x16 slot), TPM 2.0 Chip• 3rd Generation Intel® Xeon® Scalable Silver 4310 Icy Lake 12-Core 2.10GHz Processor• (4) 8GB DDR4 PC4-17000 2133MHz (32GB total)• Blu-Ray DVD/RW, 6X BD-R 2X BD-RE, 8x DVD+R• Two removable 4TB 2.5" SATA3 Solid State Drive SSD installed• One removable 4TB 2.5" SATA3 Solid State Drive SSD shipped outside computer• Microsoft Windows Professional, 64-Bit• Windows Factory Image on Blu-Ray & bootable CD | Consult Factory |
| 693-205-80 | SPARE SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL RACKMOUNT, 4U Consists of : <ul style="list-style-type: none">• Server class Motherboard with 2 PCIe 4.0 x16, 2 PCIe 4.0 x8 Slots, 1 1xPCIe 4.0 x4 (in x16 slot), TPM 2.0 Chip• 3rd Generation Intel® Xeon® Scalable Silver 4310 Icy Lake 12-Core 2.10GHz Processor• (4) 8GB DDR4 PC4-17000 2133MHz (32GB total)• Blu-Ray DVD/RW, 6X BD-R 2X BD-RE, 8x DVD+R• Two removable 1TB 2.5" SATA3 Solid State Drive SSD installed• One removable 1TB 2.5" SATA3 Solid State Drive SSD shipped outside computer• Microsoft Windows Professional, 64-Bit• Windows Factory Image on Blu-Ray & bootable CD | \$ 12570 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|--------------------|
| 693-206-80 | SPARE SPECTRUM SYSTEM CONTROLLER WINDOWS 10 INDUSTRIAL TOWER Consists of : <ul style="list-style-type: none">• Server class Motherboard with 2 PCIe 4.0 x16, 2 PCIe 4.0 x8 Slots, 1 1xPCIe 4.0 x4 (in x16 slot), TPM 2.0 Chip• 3rd Generation Intel® Xeon® Scalable Silver 4310 Icy Lake 12-Core 2.10GHz Processor• (4) 8GB DDR4 PC4-17000 2133MHz (32GB total)• Blu-Ray DVD/RW, 6X BD-R 2X BD-RE, 8x DVD+R• Two removable 1TB 2.5" SATA3 Solid State Drive SSD installed• One removable 1TB 2.5" SATA3 Solid State Drive SSD shipped outside computer• Microsoft Windows Professional, 64-Bit• Windows Factory Image on Blu-Ray & bootable CD | \$ 11690 |
| 711-987-90 | SPARE PARTS KIT FOR SPECTRUM 9100 L3XX REPLACEMENT CONFIGURATION V2.0(711-987-00) Spare instrumentation kit includes spare equipment for Spectrum 9100 PN 711-987-00: | \$ 226200 |
| 417-591-02 | SPARE SCPM 12-PORT INSTRUMENT MODULE Consists of one 12-Port Instrument Module (P/N 854-215-00). | \$ 16640 |
| 417-591-03 | SPARE SCPM 48-CHAN MTX MODULE | \$ 17480 |
| 405-389-01 | SPARE UPPER POWER SUPPLY FOR 4.0 KW CHASSIS This power supply is the upper power supply used in the 610-982-00 and 610-983-00 chassis. This supply is also a direct replacement for the 405-389-00 upper power supply used in the 854-991-11 chassis. Note: If upgrading an old design VXI chassis , 611-103-00 Upgrade Kit should be ordered instead of individual supplies. | Consult Factory |
| 405-391-01 | SPARE LOWER POWER SUPPLY FOR 4.0 KW CHASSIS This power supply is the lower power supply used in the 610-982-00 and 610-983-00 chassis. This supply is also a direct replacement for the 405-391-00 upper power supply used in the 854-991-11 chassis. Note: If upgrading an old design VXI chassis , 611-103-00 Upgrade Kit should be ordered instead of individual supplies. | Consult Factory |
| 602-934-63 | SPARE MEDIUM POWER 2.6 KW C SIZED CHASSIS | \$ 30010 |
| 602-934-64 | SPARE MEDIUM POWER 2.6 KW C SIZED POWER SUPPLY TRAY | \$ 19720 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|--------------------|
| 602-934-65 | SPARE MEDIUM POWER 2.6 KW C SIZED POWER FAN TRAY | \$ 4120 |
| 611-103-00 | 4.0 KW CHASSIS UPGRADE KIT This power supply upgrade kit contains the 405-389-01, and 405-391-01 power supplies, plus a label for the VXI Chassis, which changes the assembly PN (Part Number) of the VXI chassis from 854-991-11 (chassis with old design supplies) to 610-984-00 (chassis with new design supplies). | Consult Factory |
| 606-771-40 | ARBITRARY WAVEFORM GENERATOR (RACAL 3152B) | \$ 29860 |
| 606-050-00 | SPARE SCPM 64 CHANNEL MATRIX MODULE WITH CROSS CHANNELING CAPABILITY The 64 channel matrix module provides switching between 64 analog channels and the 16 analog backplane lines of the SCPM chassis. | \$ 24220 |
| 604-048-00 | CONTROL BOX ASSM FOR CONSTANT PRESSURE BLOWER | Consult Factory |



SPECTRUM SERIES
PRICE CATALOG
NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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Section M: SERVICES & SUPPORT OFFERINGS



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|-------------------|
| 777-492-09 | <p>HIGH AVAILABILITY SUPPORT AGREEMENT (HASA > 92% AVAILABILITY /YEAR 1) - SPECTRUM 9XXX</p> <p>The High Availability Support Agreement is a 9 - month contract intended for customers that wish to maintain their own Teradyne test systems, but still want the added protection of Teradyne's support if needed. With Teradyne training and on-site spares, customers are able to diagnose and repair most system failures. However, when problems become complex, a Teradyne Field Service Engineer can be dispatched to repair the tester. Shared responsibility for preventative maintenance also provides the customer with maximum uptime.</p> <p>This contract includes hardware and software support.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Phone support /1 877 Teradyne or local regional support office (Europe and Asia) available during normal business hours• Field service response time – 1 business day• (2) Preventative maintenance visits• Part repair services• eKnowledge on-line help <p>* For more definition of deliverables, please refer to the ATD Service & Support Supplement Doc..</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Prerequisite:</p> <ul style="list-style-type: none">• Customer Test Engineer must attend maintenance training and maintain spare parts on-site. <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration date to avoid reinstatement fee.• Requires purchase of one Level 1 spares kit per site, to be determined based on final system configuration.• Annual Instrument Calibration is not included• Teradyne does not guarantee system availability. Availability estimates are typical for customers that have Level 1 on-site spares and maintenance training. Failures resulting from customer TPS development does not count toward availability• For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will be returned to the customer unrepai• Parts that are out of support are not covered under this agreement. They will be returned to the customer unrepai <p>These parts include but are not limited to</p> | \$ 3.75 % of List |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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| | 405-389-00 and 405-391-00 VXI chassis power supplies and 3152 and 3152A AWGs. Contact your local Account manager for options to upgrade the system with current supported products | |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|-------------------|
| 777-492-12 | <p>HIGH AVAILABILITY SUPPORT AGREEMENT (HASA > 92% AVAILABILITY /YEAR 2) - SPECTRUM 9XXX</p> <p>The High Availability Support Agreement is a second year contract and beyond and is intended for customers that wish to maintain their own Teradyne equipment, but still want the added protection of Teradyne's support if needed. With Teradyne training and on – site spares, customers are able to diagnose and repair most system failures. However, when problems become complex, a Teradyne Field Service Engineer can be dispatched to repair the equipment. Shared responsibility for preventative maintenance also provides the customer with maximum uptime.</p> <p>This contract includes hardware and software support.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Phone support /1 877 Teradyne or local regional support office (Europe and Asia) available during normal business hours• Field service response time – 1 business day• (2) Preventative maintenance visits• Part repair services• eKnowledge on-line help <p>* For more definition of deliverables, please refer to the ATD Service & Support Supplement Doc..</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Prerequisite:</p> <ul style="list-style-type: none">• Customer Test Engineer must attend maintenance training and maintain spare parts on-site. <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration date to avoid reinstatement fee.• Requires purchase of one Level 1 spares kit per site, to be determined based on final system configuration.• Annual Instrument Calibration is not included• Teradyne does not guarantee system availability. Availability estimates are typical for customers that have Level 1 on-site spares and maintenance training. Failures resulting from customer TPS development does not count toward availability• For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will be returned to the customer unrepared• Parts that are out of support are not covered under this agreement. They will be returned to the customer | \$ Five % of List |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

PART #

DESCRIPTION

LIST PRICE

unrepaired. These parts include but are not limited to
405-389-00 and 405-391-00 VXI chassis power supplies
and 3152 and 3152A AWGs. Contact your local
Account manager for options to upgrade the system with
current supported products



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------------|
| 777-495-09 | <p>HIGH AVAILABILITY SUPPORT AGREEMENT (HASA > 95% AVAILABILITY /YEAR 1) - SPECTRUM 9XXX</p> <p>The High Availability Support Agreement is a 9-month contract intended for customers that wish to maintain their own Teradyne equipment, but still want the added protection of Teradyne's support if needed. With Teradyne training and on – site spares, customers are able to diagnose and repair most system failures. However, when problems become complex, a Teradyne Field Service Engineer can be dispatched to repair the equipment. Shared responsibility for preventative maintenance also provides the customer with maximum uptime.</p> <p>HASA>95% is ideally suited for large programs, Teradyne will assign a Service Team to manage the service and support needs of the customer. Team will include a primary Field Service Engineer, Field Application Engineer and a Service Manager and will include quarterly service meetings</p> <p>This contract includes hardware and software support.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Phone support /1 877 Teradyne or local regional support office (Europe and Asia) available during normal business hours• Field service response time – 1 business day• (2) Preventative maintenance visits• Part repair services• eKnowledge on-line help <p>* For more definition of deliverables, please refer to the ATD Service & Support Supplement Doc..</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Prerequisite:</p> <ul style="list-style-type: none">• Customer Test Engineer must attend maintenance training and customer must maintain spare parts site. <p>NOTES:</p> <ul style="list-style-type: none">• Requires purchase of one Level 2 spares kit per site, to be determined based on final system configuration.• Must attend maintenance and troubleshooting training.• Annual Instrument Calibration is not included• Teradyne does not guarantee system availability. Availability estimates are typical for customers that have Level 2 on-site spares and maintenance training. Failures resulting from customer TPS development does not count toward availability• For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will | \$ 4.13% of List |



SPECTRUM SERIES
PRICE CATALOG
NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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| | be returned to the customer unrepared | |
| | <ul style="list-style-type: none">• Parts that are out of support are not covered under this agreement. They will be returned to the customer unrepared. These parts include but are not limited to 405-389-00 and 405-391-00 VXI chassis power supplies and 3152 and 3152A AWGs. Contact your local Account manager for options to upgrade the system with current supported products | |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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| 777-482-10 | <p>PRODUCT AND SOFTWARE SUPPORT AGREEMENT (PSSA/1) - SPECTRUM 9XXX</p> <p>This is a nine-month operational support agreement that begins upon termination of the 90-day warranty. It is designed for customers who purchase a new system, wish to maintain it themselves and use our technical support services as needed. It combines a Hotline & Software Support Agreement (HSSA) with 24 x 7 telephone and web-based support, fast parts replacement and repair services, as well as one day response of on-site engineering support and two preventative maintenance visits. See details below. .</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Phone Support/1 877 TERADYNE or local regional support office (Europe and Asia) available during normal business hours• Field Service Response Time – 1 business day• (2) Preventative Maintenance Visits• Emergency Visits / Remedial• Part Repair Services• Software Releases• *eKnowledge access <p>* With the purchase of a PSSA customers will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html</p> <p>. ** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Notes:</p> <ul style="list-style-type: none">• Customer Test Engineer should attend maintenance training and customer should maintain spare parts site.• Annual Instrument Calibration is not included• For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will be returned to the customer unrepared• Parts that are out of support are not covered under this agreement. They will be returned to the customer unrepared. These parts include but are not limited to 405-389-00 and 405-391-00 VXI chassis power supplies and 3152 and 3152A AWGs. Contact your local Account manager for options to upgrade the system with current supported products | \$ 4.13 % of List |

SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------------|
| 777-482-00 | <p>PRODUCT AND SOFTWARE SUPPORT AGREEMENT (PSSA/2) - SPECTRUM 9XXX</p> <p>This is a one-year Product & Software Support Agreement (PSSA) that combines hardware and software support intended for customers who wish to maintain Teradyne's test equipment themselves, and use our technical support services as needed. It combines a Hotline & Software Support Agreement (HSSA) with 24 x 7 telephone and web-based support, fast parts replacement and repair services, as well as one day response of on-site engineering support and two preventative maintenance visits. See details below.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none"> • Phone Support/1 877 TERADYNE or local regional support office (Europe and Asia) available during normal business hours • Field Service Response Time – 1 business day • (2) Preventative Maintenance Visits • Emergency Visits / Remedial • Part Repair Services • Software Releases • *eKnowledge access <p>* With the purchase of a PSSA customers will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html</p> <p>. ** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Notes:</p> <ul style="list-style-type: none"> • Customer Test Engineer should attend maintenance training and customer should maintain spare parts site. • Annual Instrument Calibration is not included • For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will be returned to the customer unrepared • Parts that are out of support are not covered under this agreement. They will be returned to the customer unrepared. These parts include but are not limited to 405-389-00 and 405-391-00 VXI chassis power supplies and 3152 and 3152A AWGs. Contact your local Account manager for options to upgrade the system with current supported products | \$ 5.5 % of List |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------------|
| 777-482-30 | <p>PRODUCT AND SOFTWARE SUPPORT AGREEMENT - SPECTRUM HS</p> <p>This is a one-year Product & Software Support Agreement (PSSA) that combines hardware and software support intended for customers who wish to maintain Teradyne's test equipment themselves, and use our technical support services as needed. It combines a Hotline & Software Support Agreement (HSSA) with 24 x 7 telephone and web-based support, fast parts replacement and repair services, as well as one day response of on-site engineering support and two preventative maintenance visits. See details below.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Phone Support/1 877 TERADYNE or local regional support office (Europe and Asia) available during normal business hours• Field Service Response Time – 1 business day• (1) Preventative Maintenance Visits• (2) Emergency Visits / Remedial• Part Repair Services• Software Releases• *eKnowledge access <p>* With the purchase of a PSSA customers will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html</p> <p>. ** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Notes:</p> <ul style="list-style-type: none">• Customer Test Engineer should attend maintenance training and customer should maintain spare parts site.• Annual Instrument Calibration is not included• For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will be returned to the customer unrepai• Parts that are out of support are not covered under this agreement. They will be returned to the customer unrepai. These parts include but are not limited to 405-389-00 and 405-391-00 VXI chassis power supplies and 3152 and 3152A AWGs. Contact your local Account manager for options to upgrade the system with current supported products | \$ 5.5 % of List |



SPECTRUM SERIES
PRICE CATALOG
NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------|-------------|------------|
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SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-------------------|
| 777-482-31 | <p>PRODUCT AND SOFTWARE SUPPORT AGREEMENT(PSSA/1) - SPECTRUM HS</p> <p>This is a 9 month Product & Software Support Agreement (PSSA) that provides supplemental coverage to the standard warranty. It combines hardware and software support intended for customers who wish to maintain Teradyne's test equipment themselves, and use our technical support services as needed. It combines a Hotline & Software Support Agreement (HSSA) with 24 x 7 telephone and web-based support, fast parts replacement and repair services, as well as one day response of on-site engineering support and two preventative maintenance visits. See details below.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Phone Support/1 877 TERADYNE or local regional support office (Europe and Asia) available during normal business hours• Field Service Response Time – 1 business day• (1) Preventative Maintenance Visits• (2) Emergency Visits / Remedial• Part Repair Services• Software Releases• *eKnowledge access <p>* With the purchase of a PSSA customers will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Notes:</p> <ul style="list-style-type: none">• Customer Test Engineer should attend maintenance training and customer should maintain spare parts site.• Annual Instrument Calibration is not included• For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will be returned to the customer unrepaired• Parts that are out of support are not covered under this agreement. They will be returned to the customer unrepaired. These parts include but are not limited to 405-389-00 and 405-391-00 VXI chassis power supplies and 3152 and 3152A AWGs. Contact your local Account manager for options to upgrade the system with current supported products | \$ 4.13 % of List |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------------|
| 777-482-40 | <p>PRODUCT AND SOFTWARE SUPPORT AGREEMENT - SPECTRUM BT</p> <p>This is a one-year Product & Software Support Agreement (PSSA) that combines hardware and software support intended for customers who wish to maintain Teradyne's test equipment themselves, and use our technical support services as needed. It combines a Hotline & Software Support Agreement (HSSA) with 24 x 7 telephone and web-based support, fast parts replacement and repair services, as well as one day response of on-site engineering support and two preventative maintenance visits. See details below.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Phone Support/1 877 TERADYNE or local regional support office (Europe and Asia) available during normal business hours• Field Service Response Time – 1 business day• (1) Emergency Visits / Remedial• Part Repair Services• Software Releases• *eKnowledge access <p>* With the purchase of a PSSA customers will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Notes:</p> <ul style="list-style-type: none">• Customer Test Engineer should attend maintenance training and customer should maintain spare parts site.• Annual Instrument Calibration is not included• For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will be returned to the customer unrepared• Parts that are out of support are not covered under this agreement. They will be returned to the customer unrepared. These parts include but are not limited to 405-389-00 and 405-391-00 VXI chassis power supplies and 3152 and 3152A AWGs. Contact your local Account manager for options to upgrade the system with current supported products | \$ 5.5 % of List |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|-------------------|
| 777-482-41 | <p>PRODUCT AND SOFTWARE SUPPORT AGREEMENT (PSSA/1) - SPECTRUM BT</p> <p>This is a 9 month Product & Software Support Agreement (PSSA) that provides supplemental coverage to the standard warranty. It combines hardware and software support intended for customers who wish to maintain Teradyne's test equipment themselves, and use our technical support services as needed. It combines a Hotline & Software Support Agreement (HSSA) with 24 x 7 telephone and web-based support, fast parts replacement and repair services, as well as one day response of on-site engineering support and two preventative maintenance visits. See details below.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Phone Support/1 877 TERADYNE or local regional support office (Europe and Asia) available during normal business hours• Field Service Response Time – 1 business day• (1) Emergency Visits / Remedial• Part Repair Services• Software Releases• *eKnowledge access <p>* With the purchase of a PSSA customers will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html</p> <p>. ** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>Notes:</p> <ul style="list-style-type: none">• Customer Test Engineer should attend maintenance training and customer should maintain spare parts site.• Annual Instrument Calibration is not included• For parts beyond formal support period, commercially reasonable efforts will be used to attempt repair. If the part is determined to be Beyond Economic Repair it will be returned to the customer unrepared• Parts that are out of support are not covered under this agreement. They will be returned to the customer unrepared. These parts include but are not limited to 405-389-00 and 405-391-00 VXI chassis power supplies and 3152 and 3152A AWGs. Contact your local Account manager for options to upgrade the system with current supported products | \$ 4.13 % of List |

SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|---------------------------------|
| 777-826-60 | SHORT DURATION SUPPORT AGREEMENT LOGISTICS AND ADMINISTRATIVE FEES. This fee is to cover the additional administrative and logistics costs associated with hardware contracts that are placed for less than 1 year. | \$ 10% of Contract Price |
| 777-487-47 | CUSTOM HARDWARE AGREEMENT (CHA) - S9XXX The Custom Hardware Agreement is an a-la-carte service intended for customers who have requirements outside our standard Full Service Agreement and Partnership Support Agreement offerings. COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD | Consult Factory |
| 777-499-10 | DA-1 HIGH AVAILABILITY SUPPORT CONTRACT (HASA) This High Availability Support Contract provides support for USAF VDATS DA-1 and compatible systems that wish to maintain their own equipment, but require expedited parts availability and on-site support from Teradyne. Annual Coverage [per system] includes: <ul style="list-style-type: none"> • 24x7 Phone support (1 877 Teradyne) for parts orders • Advanced Part Replacement Services (SDS) - • 2 Business Day delivery (48 hours) • 14 Day Defective Parts Return time • Dedicated stocking center for Digital/Analog system parts <p>* For more definition of deliverables, please refer to the Statement of work provided .</p> Prerequisite: <ul style="list-style-type: none"> • Systems covered under this contract are USAF VDATS DA-1, 609-282-00, 609-283-00 or equivalent. NOTES: <ul style="list-style-type: none"> • Must renew before expiration to avoid reinstatement fee. • List of specific repairable parts covered under this contract supplied upon request. • Software is not covered under this contract. | \$ 131750 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------------|
| 777-499-20 | <p>DA-2 HIGH AVAILABILITY SUPPORT CONTRACT (HASA)</p> <p>This High Availability Support Contract provides support for USAF VDATS DA-2 and compatible systems that wish to maintain their own equipment, but require expedited parts availability and on-site support from Teradyne.</p> <p>Annual Coverage [per system] includes:</p> <ul style="list-style-type: none">• 24x7 Phone support (1 877 Teradyne) for parts orders• Advanced Part Replacement Services (SDS) -• 2 Business Day delivery (48 hours)• 14 Day Defective Parts Return time• Dedicated stocking center for Digital/Analog system parts <p>* For more definition of deliverables, please refer to the Statement of work provided .</p> <p>Prerequisite:</p> <ul style="list-style-type: none">• Systems covered under this contract are USAF VDATS DA-2, 609-284-00, 609-285-00 or equivalent. <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration to avoid reinstatement fee.• List of specific repairable parts covered under this contract supplied upon request.• Software is not covered under this contract. | \$ 161100 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| 777-499-80 | <p>VDATS AUXILLARY HIGH AVAILABILITY SUPPORT CONTRACT (HASA)</p> <p>This High Availability Support Contract provides support for USAF VDATS MESS and AB kits and compatible systems that wish to maintain their own equipment, but require expedited parts availability and on-site support from Teradyne.</p> <p>Annual Coverage [per system] includes:</p> <ul style="list-style-type: none">• 24x7 Phone support (1 877 Teradyne) for parts orders• Part Repair Services per agreed SOW• Dedicated stocking center for stocked parts <p>* For more definition of deliverables, please refer to the Statement of work provided .</p> <p>Prerequisite:</p> <ul style="list-style-type: none">• Must include HASA+ contract for VDATS DA-1, DA-2, 609-284-00, 609-285-00 or equivalent. <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration to avoid reinstatement fee.• List of specific repairable parts covered under this contract supplied upon request.• Software is not covered under this contract. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|--------------------|
| 777-CSA-VO | <p>COMPREHENSIVE SUPPORT AGREEMENT (CSA) - SPECTRUM 9XXX</p> <p>The Comprehensive Support Agreement is a variable contract with a value based upon historical and estimated annual usage. This agreement provides discounts and preference associated with contract customer status yet provides price flexibility based on a given customers usage.</p> <p>Invoices are issued quarterly and include a 7% discount on replaceable parts and labor. Labor billing is based on prevailing hourly rates. At any point during the life of the contract, usage exceeding the contract value will require an amended PO to cover the additional costs. If at the end of the contract period there are remaining funds available, then these funds may be used to purchase additional support items, or to extend the term of the contract.</p> <p>Flexible benefits include:</p> <ul style="list-style-type: none">• 7% Discount on replaceable parts• 7% Discount on labor• Quarterly billing• Applies to emergency on-site and calibration services• All Parts Services available for that part, including *SDS (Same Day Ship Service) <p>*Ship services will be best available, same day if possible.</p> <p>***Software Support sold separately</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> | Consult Factory |
| 777-487-50 | <p>PSA / PSSA OPTION - PARTS MANAGEMENT LOGISTICS SUPPORT</p> <p>Annual Coverage [Per Agreement] Can Include:</p> <ul style="list-style-type: none">• Site Start Up Charges- centralized storage• Site Management, Storage, Receiving, Order Fulfillment, and Transportation• Program Management• Attrition - risk adjusted spare replacement cost• Shipment of Parts 24 x 7 x 365 Tracking Inventory-track by instrument type and serial# <p>Notes</p> <ul style="list-style-type: none">• Minimum 2 year commitment required | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|-------------------------|
| 777-620-00 | <p>PERFORMANCE REPORTING SERVICES</p> <p>DESCRIPTION:</p> <ul style="list-style-type: none">• Performance Reporting Services• 24x7x365 access to system performance information• Ability to view status of system availability and MTBF metrics• Parts usage data• Functionality includes graphs, report across multiple weeks and trend report by system• Features include centralized standard interface for reporting, ability to modify reporting information, secure system and data backups. <p>Notes :</p> <p>Pricing for multiple systems : 1/2 % of current system list price for the first 5 systems, 1/4 % of current system list price for systems 6 and up.</p> | \$ 0.5 % of List |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-828-12 | <p>SPECTRUM HOTLINE & SOFTWARE SUPPORT AGREEMENT (HSSA/2) - SPECTRUM 9100 AND SPECTRUM HS</p> <p>The Hotline & Software Support Agreement (HSSA) is a second year contract which provides comprehensive support plan to help you optimize your test and inspection programs through a combination of rapid telephone support, 24 / 7 web support, and periodic software releases. Coverage begins in the second year of support.</p> <p>Hotline support covers hardware and software phone support</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Response time <2 hours (telephone)• Phone Support/1-877-TERADYNE or local regional support office (Europe and Asia) available during normal business hours• *eKnowledge access• Software Releases• Free Software License Key Transfers limited to 4 transfers• Remote Diagnostics (If available) <p>* With the purchase of an HSSA you will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html.</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration date to avoid reinstatement fee. | \$ 11990 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 777-828-30 | <p>S9 HOTLINE & SOFTWARE SUPPORT AGREEMENT (HSSA/2) - NODE LOCKED SPECTRUM 9100 CALIBRATION VERIFICATION LICENSE FOR TERADYNE INSTRUMENTS</p> <p>Hot-line and Software Support Agreement for Spectrum 9100 Calibration Verification License. Provides updates to the calibration verification software and updates to the software to support configuration changes</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration date to avoid reinstatement fee. | \$ 7930 |
| 777-828-40 | <p>S9 HOTLINE & SOFTWARE SUPPORT AGREEMENT (HSSA/2) - FLOATING AND PROGRAM WIDE SPECTRUM 9100 CALIBRATION VERIFICATION LICENSE FOR TERADYNE INSTRUMENTS</p> <p>Hot-line and Software Support Agreement for Spectrum 9100 Calibration Verification License. Provides updates to the calibration verification software and updates to the software to support configuration changes</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration date to avoid reinstatement fee. | \$ 18800 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------|
| 777-827-10 | <p>SOFTWARE SUPPORT AGREEMENT (SSA) - SPECTRUM 9XXX OFF-LINE PROGRAMMING</p> <p>The Software Support Agreement (SSA) is a comprehensive support plan to help you optimize your test and inspection programs through a combination of rapid telephone support, 24 / 7 web support, and periodic software releases. Coverage begins 6 weeks after shipment or upon installation, whichever occurs first.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Response time <2 hours (telephone)• Phone Support/1-800-TERADYNE or local regional support office (Europe and Asia) available during normal business hours• *eKnowledge access• Software Releases• Free Software License Key Transfers• Remote Diagnostics (If available) <p>* With the purchase of an SSA you will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html.</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration date to avoid reinstatement fee. | \$ 8130 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|-----------------|
| 777-828-10 | <p>SOFTWARE SUPPORT AGREEMENT (SSA) - SPECTRUM 9XXX OFF-LINE PROGRAMMING SITE LICENSE</p> <p>The Software Support Agreement (SSA) site license is a comprehensive support plan for all off-line programming stations at one site. This agreement is geared to help you optimize your test and inspection programs through a combination of rapid telephone support, 24 / 7 web support, and periodic software releases. Coverage begins 6 weeks after shipment or upon installation, whichever occurs first.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Response time <2 hours (telephone)• Phone Support/1-800-TERADYNE or local regional support office (Europe and Asia) available during normal business hours• *eKnowledge access• Software Releases• Free Software License Key Transfers• Remote Diagnostics (if available) <p>* With the purchase of an SSA you will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html.</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> | \$ 19340 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-836-10 | <p>SOFTWARE SUPPORT AGREEMENT (SSA) - TPS CONVERTER STUDIO</p> <p>The Software Support Agreement (SSA) is a comprehensive support plan to help you optimize your test and inspection programs through a combination of rapid telephone support, 24 / 7 web support, and periodic software releases. Coverage begins 6 weeks after shipment or upon installation, whichever occurs first.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Response time <2 hours (telephone)• Phone Support/1-800-TERADYNE or local regional support office (Europe and Asia) available during normal business hours• *eKnowledge access• Software Releases• Free Software License Key Transfers• Remote Diagnostics (if available) <p>* With the purchase of an SSA you will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html.</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration date to avoid reinstatement fee. | \$ 8540 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------|
| 777-837-10 | <p>SOFTWARE SUPPORT AGREEMENT (SSA) - TESTSTUDIO</p> <p>The Software Support Agreement (SSA) is a comprehensive support plan to help you optimize your test and inspection programs through a combination of rapid telephone support, 24 / 7 web support, and periodic software releases. Coverage begins 6 weeks after shipment or upon installation, whichever occurs first.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Response time <2 hours (telephone)• Phone Support/1-800-TERADYNE or local regional support office (Europe and Asia) available during normal business hours• *eKnowledge access• Software Releases• Free Software License Key Transfers• Remote Diagnostics (if available) <p>* With the purchase of an SSA you will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html.</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>NOTES:</p> <ul style="list-style-type: none">• Must renew before expiration date to avoid reinstatement fee. | \$ 1610 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 777-837-30 | <p>SOFTWARE SUPPORT AGREEMENT (SSA) - TESTSTUDIO SITE LICENSE</p> <p>The Software Support Agreement (SSA) site license is a comprehensive support plan. This agreement is geared to help you optimize your test and inspection programs through a combination of rapid telephone support, 24 / 7 web support, and periodic software releases. Coverage begins 6 weeks after shipment or upon installation, whichever occurs first.</p> <p>**Annual Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Response time <2 hours (telephone)• Phone Support/1-877-TERADYNE or local regional support office (Europe and Asia) available during normal business hours• *eKnowledge access• Software Releases• Free Software License Key Transfers - up to 4 transfers• Remote Diagnostics (if available) <p>* With the purchase of an SSA you will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24/7 support website. For more information about eKnowledge, or to obtain an account, visit our support website at: http://www.teradyne.com/atd/support/eknowledge.html.</p> <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> | \$ 7550 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 778-016-00 | <p>SPECTRUM 9000-SERIES HSSA FOR CUSTOMERS NOT CURRENTLY UNDER SOFTWARE SUPPORT</p> <p>The Software Support Agreement Reinstatement Fee is to bring customers whose contract has expired up to the current revision of software.</p> <p>Fee Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Software Release <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> | \$ 13860 |
| 778-020-00 | <p>TESTSTUDIO SSA FOR CUSTOMERS NOT CURRENTLY UNDER SOFTWARE SUPPORT</p> <p>The Software Support Agreement Reinstatement Fee is to bring customers whose contract has expired up to the current revision of software.</p> <p>Fee Coverage [per system] Includes:</p> <ul style="list-style-type: none">• Software Release <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> <p>NOTES:</p> <ul style="list-style-type: none">• With the purchase of an SSA you will be eligible for an eKnowledge account. eKnowledge is Teradyne's 24 / 7 support website. Here the user can view technical documentation, product alerts, download software updates and software patches, download emergency license keys, and submit, edit and/or view incident management reports for your company. In addition to this eKnowledge users can receive a monthly update, which keeps users informed of what has been posted to the site each month. This includes what products the information pertains to and where it can be located within the support site. | \$ 3450 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------------------|
| 778-021-00 | <p>TPS CONVERTER STUDIO SSA FOR CUSTOMERS NOT CURRENTLY UNDER SOFTWARE SUPPORT</p> <p>The Software Support Agreement Reinstatement Fee is to bring customers whose contract has expired up to the current revision of software.</p> <p>Fee Coverage [per system] includes:</p> <ul style="list-style-type: none">• Software Release <p>** For further definition of deliverables, please refer to the ATD Service & Support Supplement Doc.</p> <p>COVERAGE PERIOD: DD-MMM-YYYY through DD-MMM-YYYY FOR S/N: TBD</p> | \$ 9710 |
| | <p>HARDWARE SUPPORT SERVICES</p> | |
| 777-ONS-VO | <p>FIELD SERVICE LABOR - SPECTRUM 9XXX</p> <p>Hourly price for on-site labor.</p> <p>NOTES:</p> <ul style="list-style-type: none">• Any Replacement parts will require additional funding.• System Serial number needs to be identified. | \$ 420 |
| 777-341-42 | <p>FIELD SERVICE TRAVEL - SPECTRUM 9XXX</p> <p>NOTES:</p> <ul style="list-style-type: none">• The travel time will be charged at the current hourly rate.• If air travel is required additional air fare and per diem charges will apply. For travel in the US and Canada, per diem charges will be \$1000.00/each for the first and last day of travel.<ul style="list-style-type: none">• \$1000.00 if travel to/from occur within one day.• \$2000.00 if two days involve travel• This includes first and last day of expenses and air fare with 7 days notice.• International travel will be charged at actual rates• A Flat Rate of \$350.00/day will be charged for per diem for the days spent after first and before the last day of travel. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|--------------------|
| 777-469-42 | ON SITE FIELD SERVICE LABOR FOR ONE WEEK - SPECTRUM 9XXX One week on-site labor, Pricing includes travel&per diem charges locations within the Region., For Overseas support travel will be billed at actual rates NOTES: <ul style="list-style-type: none"> Any Replacement parts will require additional funding. System Serial number needs to be identified. | \$ 17300 |
| | SOFTWARE SUPPORT SERVICES | |
| 777-345-42 | APPLICATIONS LABOR - SPECTRUM 9XXX Hourly price for on-site labor. | \$ 400 |
| 777-345-80 | APPLICATIONS LABOR - HIGH SPEED SUBSYSTEM - HOURLY Hourly price for on-site labor. | \$ 400 |
| 777-343-42 | APPLICATIONS TRAVEL - SPECTRUM 9XXX NOTES: <ul style="list-style-type: none"> The travel time will be charged at the current hourly rate. If air travel is required additional air fare and per diem charges will apply. For travel in the US and Canada, per diem charges will be \$1000.00/each for the first and last day of travel. <ul style="list-style-type: none"> \$1000.00 if travel to/from occur within one day. \$2000.00 if two days involve travel This includes first and last day of expenses and air fare with 7 days notice. International travel will be charged at actual rates A Flat Rate of \$350.00/day will be charged for per diem for the days spent after first and before the last day of travel. | Consult Factory |
| 777-463-42 | APPLICATIONS ASSISTANCE ONE DAY (AA/1) - SPECTRUM 9XXX One-day Applications Assistance offers on-site applications assistance in one-day increments for system operation, program creation, and debugging. This offering gives our customers the ability to have Teradyne Engineers assist with all stages of the test process including evaluation of a new or existing test process and operation, consultation on test techniques, and application of new test equipment or methods. NOTES: <ul style="list-style-type: none"> Travel charges not included. | \$ 3110 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--|--|-----------------|
| 777-463-80 | APPLICATIONS ASSISTANCE ONE DAY (AA/1) - HIGH SPEED SUBSYSTEM One-day Applications Assistance offers on-site applications assistance in one-day increments for system operation, program creation, and debugging. This offering gives our customers the ability to have Teradyne Engineers assist with all stages of the test process including evaluation of a new or existing test process and operation, consultation on test techniques, and application of new test equipment or methods. NOTES: <ul style="list-style-type: none">• Travel charges not included. | \$ 3110 |
| 777-464-42 | APPLICATIONS ASSISTANCE FIVE DAYS (AA/5) - SPECTRUM 9XXX Five day Applications Assistance offers on-site applications assistance in five-day increments. This offering gives our customers the ability to have Teradyne Engineers assist with all stages of the test process including evaluation of a new or existing test process and operation, consultation on test techniques, and application of new test equipment or methods. Customers can request service on a one-time basis, contract for long-term assistance with multiple on-site visits, or define a specific project for completion by Teradyne. NOTES: <ul style="list-style-type: none">• Pricing includes travel&per diem charges within the US., For Overseas classes travel will be billed at actual rates | \$ 16380 |
| 777-464-80 | APPLICATIONS ASSISTANCE FIVE DAYS (AA/5) - HIGH SPEED SUBSYSTEM Five day Applications Assistance offers on-site applications assistance in five-day increments. This offering gives our customers the ability to have Teradyne Engineers assist with all stages of the test process including evaluation of a new or existing test process and operation, consultation on test techniques, and application of new test equipment or methods. Customers can request service on a one-time basis, contract for long-term assistance with multiple on-site visits, or define a specific project for completion by Teradyne. <ul style="list-style-type: none">• Pricing includes travel&per diem charges within the US., For Overseas classes travel will be billed at actual rates | \$ 16380 |
| TEST PROGRAM SET (TPS) SERVICES | | |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| 777-471-42 | TEST FIXTURE - SPECTRUM 9XXX Custom quotation. Proposal based on OEM cost plus markup. NOTES: <ul style="list-style-type: none">This P/N is to be quoted by Applications Management ONLY. They will provide content and pricing. | Consult Factory |
| 777-472-41 | TEST PROGRAM SERVICE (TPS) - ONSITE DELIVERY & ACCEPTANCE FIVE DAYS - SPECTRUM 9XXX Teradyne's test program services allow customers to take advantage of Teradyne's application expertise. Teradyne's experts can quickly take your existing test program and re-host them to run on your new Teradyne equipment. TPS On-site Delivery and Acceptance offers on-site TPS assistance in five-day increments. Teradyne TPS Engineers will perform final integration and TPS Acceptance at the customer site. NOTES: <ul style="list-style-type: none">Pricing includes travel&per diem charges within the US. Overseas travel will be billed based on actual rates | \$ 15180 |
| 777-472-42 | TEST PROGRAM SERVICE (TPS) - DELIVERY & ACCEPTANCE - SPECTRUM 9XXX Teradyne's test program services allow customers to take advantage of Teradyne's application expertise. Teradyne's experts can quickly take your existing test program and re-host them to run on your new Teradyne equipment. The use of Teradyne application personnel, who understand both the programming and test process of the multiple test platforms, can provide you with a turnkey, high-quality test program that assures you the quality you need. Custom quotation. Price is per hour. NOTES: <ul style="list-style-type: none">This P/N is to be quoted by Applications Management ONLY. They will provide content and pricing. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|---------------|
| 777-473-41 | TEST PROGRAM SERVICES DEVELOPER (TPS) - SPECTRUM 9XXX Teradyne's test program services allow customers to take advantage of Teradyne's TPS expertise. Teradyne's experts can quickly take your existing test program and re-host them to run on your new Teradyne equipment. The TPS Developer performs low to medium complexity tasks involved in TPS rehost and TPS conversion activities. Custom quotation. Prices are per hour NOTES: <ul style="list-style-type: none">• This P/N is to be quoted by Applications Management ONLY. They will provide content and hours required. | \$ 290 |
| 777-474-41 | TEST PROGRAM SERVICES SENIOR DEVELOPER (TPS) - SPECTRUM 9XXX Teradyne's test program services allow customers to take advantage of Teradyne's TPS expertise. Teradyne's experts can quickly take your existing test program and re-host them to run on your new Teradyne equipment. The Senior TPS Developer performs medium to high complexity TPS tasks including Test Requirements Test Strategy, fixture design. and higher complexity TPS development efforts. Custom quotation. Prices are per hour NOTES: <ul style="list-style-type: none">• This P/N is to be quoted by Applications Management ONLY. They will provide content and hours required. | \$ 330 |
| 777-474-42 | TEST PROGRAM SERVICES ENGINEERING PROJECT MANAGER (TPS) Teradyne's test program services allow customers to take advantage of Teradyne's TPS expertise. Teradyne's experts can quickly take your existing test program and re-host them to run on your new Teradyne equipment. The TPS Project Manager leads groups of TPS developers managing project milestones and deliveries. Custom quotation. Prices are per hour NOTES: <ul style="list-style-type: none">• This P/N is to be quoted by Applications Management ONLY. They will provide content and hours required. | \$ 340 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|---------------------------------|---|--------------------|
| Section N: MISC. OPTIONS | | |
| 360-869-00 | PCIE-GPIB INTERFACE | \$ 3350 |
| M-992-26 | GPIB/AC REAR PANEL ASSY | \$ 4230 |
| M-992-25 | GPIB/AC FRONT PANEL ASSY | \$ 4770 |
| M-991-77 | AMETEK BLOWER ASSY W INTG | Consult Factory |
| 614-803-00 | CONSTANT PRESSURE BLOWER A constant pressure blower eliminates a common situation where air is compressed and heated in the blower as the result of backpressure caused by airflow restrictions found in most UUTs. The Teradyne constant pressure blower is a closed loop system that continuously monitors the blower output pressure and adjusts the blower speed to maintain constant air pressure at the blower output. This provides a constant supply of cooling air across the UUT with minimal heating of the cooling air. | Consult Factory |
| 616-670-01 | CALIBRATION FIXTURE FOR L3XX REPLACEMENT CONFIGURATION V2.0 (711-987-00) | \$ 53830 |
| M-999-01 | PNEUMATIC CART (INCLUDING ADTS-405 & PV-103-R) | Consult |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| 608-844-00 | UUT POWER INTERLOCK OPTION FOR CONTROL OF 1-8 DEVICES Kit includes: <ul style="list-style-type: none">• Teradyne UUTI (Unit Under Test Interface) Interlock Controller for use with Spectrum 9100 System Manager• Ethernet Switch• Wiring to inhibit power supplies, or other devices that have inhibit capability which are configured in system Note: <ul style="list-style-type: none">• Requires Spectrum 7.0 or later software for use with System Manager• Requires installation by Teradyne Field Service Engineer• Charges for installation vary depending on location of system, system content and number of systems being upgraded per visit | \$ 9750 |
| 608-844-01 | UUT POWER INTERLOCK OPTION FOR CONTROL OF 1-16 DEVICES Kit includes: <ul style="list-style-type: none">• Teradyne UUTI (Unit Under Test Interface) Interlock Controller for use with Spectrum 9100 System Manager• Ethernet Switch• Wiring to inhibit power supplies, or other devices that have inhibit capability which are configured in system Note: <ul style="list-style-type: none">• Requires Spectrum 7.0 or later software for use with System Manager• Requires installation by Teradyne Field Service Engineer• Charges for installation vary depending on location of system, system content and number of systems being upgraded per visit | \$ 11250 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|-------------------|--|----------------------------|
| 616-113-00 | SPECTRUM 9100 FIELD UPGRADE KIT TO MONITOR AND CONTROL TEMPERATURE IN 1-2 BAY SYSTEMS Kit includes: <ul style="list-style-type: none">• Teradyne Temperature Controller for use with Spectrum 9100 System Manager• Hardware to monitor rack inlet and outlet temperatures Notes: <ul style="list-style-type: none">• Requires Spectrum 7.0 or later software• Requires UUT Power Interlock Option (PN 608-844-00 or PN 608-844-01)• Requires installation by Teradyne Field Service Engineer• Charges for installation vary depending on location of system, system content and number of systems being upgraded per visit | \$ 8090 |
| 616-113-50 | SPECTRUM 9100 FIELD UPGRADE KIT TO MONITOR AND CONTROL TEMPERATURE IN 3-4 BAY SYSTEMS Kit includes: <ul style="list-style-type: none">• Teradyne Temperature Controller for use with Spectrum 9100 System Manager• Hardware to monitor rack inlet and outlet temperatures Notes: <ul style="list-style-type: none">• Requires Spectrum 7.0 or later software• Requires UUT Power Interlock Option (PN 608-844-00 or PN 608-844-01)• Requires installation by Teradyne Field Service Engineer• Charges for installation vary depending on location of system, system content and number of systems being upgraded per visit | \$ 14750 |
| CU-708-46 | VDATS 4 CHAN BTI ICA KIT | \$ 10890 |
| CU-708-47 | VDATS 4 CHAN BTI ITA KIT | \$ 1810 |
| PS-110-10 | VDATS TESTER BASED TESTSTUDIO SOFTWARE LICENSE The VDATS tester based TestStudio software license allows use of the TestStudio software on a VDATS Test System. This software license is required for any VDATS system that is not owned by the USAF. USAF owned systems are covered under a separate license agreement. | Consult Factory |
| 777-250-00 | SERVICES BY THIRD PARTY PROVIDERS Third party services are priced per standard Spectrum 9100 Pricing Policies | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------------------|
| 360-869-00 | PCIE GPIB CONTROLLER | \$ 3350 |
| 639-149-01 | SPECTRUM HS SINGLE BAY CRATE SHIP KIT Crate only. Shipping is priced based on destination | \$ 5300 |
| 639-149-02 | SPECTRUM HS DOUBLE BAY CRATE SHIP KIT Crate only. Shipping is priced based on destination | \$ 5790 |
| 662-313-00 | SPECTRUM BT SHIPPING CRATE Crate only. Shipping is priced based on destination | \$ 1890 |
| 673-070-00 | SPECTRUM BT WITH CART SHIPPING CRATE Crate only. Shipping is priced based on destination | \$ 5290 |
| M-995-32 | SPECTRUM 9100 SINGLE BAY CRATE SHIP KIT Crate only. Shipping is priced based on destination | \$ 5670 |
| M-995-68 | SPECTRUM 9100 DOUBLE BAY CRATE SHIP KIT Crate only. Shipping is priced based on destination | \$ 6050 |
| M-996-81 | SPECTRUM 9100 TRIPLE BAY CRATE SHIP KIT Crate only. Shipping is priced based on destination | \$ 10140 |
| NRE-000-15 | TRAVEL EXPENSES FOR FACTORY BASED PERSONNEL NOTES: <ul style="list-style-type: none">• The travel time will be charged at the current hourly rate.• If air travel is required additional air fare and per diem charges will apply. For travel in the US and Canada, per diem charges will be \$1000.00/each for the first and last day of travel.<ul style="list-style-type: none">• \$1000.00 if travel to/from occur within one day.• \$2000.00 if two days involve travel• This includes first and last day of expenses and air fare with 7 days notice.• International travel will be charged at actual rates• A Flat Rate of \$350.00/day will be charged for per diem for the days spent after first and before the last day of travel. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| NRE-000-20 | SYSTEMS ENGINEERING LABOR FOR SYSTEMS AND SUBSYSTEMS Price is per hour. | \$ 320 |
| NRE-000-21 | PROGRAM MANAGEMENT LABOR Price is per hour. | \$ 420 |
| NRE-000-22 | DESIGN ENGINEERING LABOR FOR SYSTEMS AND SUBSYSTEMS Price is per hour. | \$ 420 |
| NRE-000-25 | SKILLED OPERATIONS LABOR FOR SYSTEMS AND SUBSYSTEMS Price is per hour. | \$ 240 |
| NRE-050-00 | ENGINEERING SERVICES - THIRD PARTY PROVIDERS | Consult Factory |
| CU-497-01 | MILESTONE PAYMENTS FOR SPECTRUM 91 DELIVERIES | Consult Factory |
| 777-250-10 | SERVICES FOR CUSTOMER FURNISHED EQUIPMENT (CFE) This is for Teradyne services for Customer Furnished Equipment (CFE). Coverage is determined by the nature and scope of the effort. | Consult Factory |
| S9-000-00 | STANDARD SHIPPING CHARGES (CONTINENTAL US) | \$ 8140 |
| 658-398-00 | HSSUB UPGRADE KIT FOR L3XX REPLACEMENT CONFIGURAITON V2.0 (711-987-00) | \$ 138970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------------|
| 626-726-00 | <p>AUTONOMOUS CALIBRATION CART</p> <p>The Autonomous Calibration Cart is designed to run the Teradyne calibration verification program. The autonomous calibration cart computer controls both the instruments in the tester that are being verified, and the calibration transfer standards contained in the Autonomous Calibration Cart. The key components in the Autonomous Calibration Cart are:</p> <ul style="list-style-type: none">• Industrial rackmount computer with GPIB and MXI controllers• Universal frequency counter/timer, 350 MHz, 12 Digits, 20 PS• Digital multimeter, 8.5 Digit• High accuracy DC power supply• Precision airline• Industrial enclosure• TestStudio Software• Self-test Software• Integration• Installation of separately purchased calibration verification program• On-site installation in Continental US | \$ 118440 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|--------|-------------|------------|
|--------|-------------|------------|

Section O: TRAINING

IN HOUSE TRAINING CLASSES

| | | |
|------------|--|----------------|
| 553-302-08 | TRAINING IN HOUSE - SPECTRUM 9XXX - HARDWARE MANAGEMENT/MAINTENANCE AND TROUBLESHOOTING | \$ 2760 |
|------------|--|----------------|

Course Description:

Spectrum 9000-Series Hardware Management, Maintenance and Troubleshooting provides the student with the information necessary to setup, configure and manage the SPECTRUM Spectrum 9000-Series Test System. The different components of the Spectrum Test System are examined and troubleshooting techniques are taught to identify and isolate failures. Procedures are outlined for maintaining the operation of the test system.

Course Content (Emphasis on the following subject areas):

- Introduction and Configuration
- System Controller
- Test System
- Instrument Frame
- Power Supplies
- Instruments
- VXI Instruments
- IEEE Instruments
- Installing Instruments
- Running Self-Test
- Troubleshooting
- Maintenance Procedures

Course duration:

3 days

Prerequisite(s):

- Hardware experience maintaining and troubleshooting complex electronic equipment.

NOTES:

- Price is per student
- Courses conducted at Teradyne facilities



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------|
| 777-160-31 | <p>TRAINING IN HOUSE - AI-710 SERIES WORKSHOP</p> <p>Course Description: In this workshop you will learn the architecture of the Ai7-Series product, capability and the basic skills needed to begin using the subsystem in analog functional test development. The workshop uses the C-API functions that are provided with the instrument driver to program the instrument.</p> <p>Course Content (Emphasis on the following subject areas) Ai-7 Series product architecture and software, including:</p> <ul style="list-style-type: none">• Overview• Operation and verification• Trigger subsystem• Sourcing stimulus<ul style="list-style-type: none">• DC Voltage• Pulse Current• Arbitrary Waveforms• Measurements<ul style="list-style-type: none">• DC Voltage• DC Current• Frequency and Time interval• Limit Detect• Digitizing• Interrupts and Interrupt handling <p>Course Duration: 3 days</p> <p>Prerequisite(s): C/C++ Programming</p> <p>NOTES:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 2760 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 777-175-31 | <p>TRAINING IN HOUSE - HSSUB TPS TRAINING</p> <p>Course Description: The HSSub TPS Training provides the student with introductory information necessary for developing, debugging and executing a subTPS on the HSSub. The course emphasis is concepts and architecture of the High Speed Subsystem. These concepts are then applied by creating programs written in C++. The course will use the High Speed Subsystem with HSSub-5010, HSSub-eDigital 6020A or FIOXI instrument with an RS232 or RS422/RS485 PIM for lab purposes. The concepts learned apply to other Core and/or IO Expansion instruments.</p> <p>Course Content (Emphasis on the following subject areas) High Speed Subsystem Test Architecture, program development and integration:</p> <ul style="list-style-type: none">• Introduction to HSSub Architecture• Hardware Overview• Software Overview• HSSub Basic Programming• HSSub App and Driver Usage <p>Course Duration: 3 days</p> <p>Prerequisite(s): General Programming Concepts C/C++ Programming Digital Applications Familiar with Visual Studio C/C++</p> <p>NOTES:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 2760 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------|
| 777-176-31 | <p>TRAINING IN HOUSE - HSSUB APP TRAINING</p> <p>Course Description: The High Speed Subsystem Application Development Training provides the student with introductory information necessary for developing custom High Speed Subsystem Applications (HSSub Apps).</p> <p>The course will cover a high-level overview of the architecture of the HSSub instrument, identifying differences between Core and IO Expansion instruments and describing Test Defined FPGA (TDF) features. The included FPGA development tools will be explained and demonstrated.</p> <p>The Application Interface overview will cover the basic components of an HSSub App, the development process and demonstration of an HSSub App with the LED Training Kit. The Application Interface section will also cover high level concepts including data transfer and hardware interrupts. The concepts here will be applied by using and modifying the LED Training Kit Application Interface code written in C.</p> <p>Course Content (Emphasis on the following subject areas) Advanced HSSub TPS development focused on HSSub App development</p> <ul style="list-style-type: none">• Architecture Overview• HSSub TDF Introduction• HSSub TDF Advanced Topics• HSSub App Interface Introduction• HSSub App Interface Advanced Topics <p>Course Duration: 3 days</p> <p>Prerequisite(s): Must have already taken the HSSub TPS Training Advanced programming concepts C/C++ Programming Digital Applications Familiar with Visual Studio C/C++ Familiar with a Hardware Description Language (VHDL or Verilog) if future FPGA support or development activities are planned</p> <p>NOTES:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 2760 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------|
| 777-177-31 | <p>TRAINING IN HOUSE - HSSUB MAINTENANCE TRAINING</p> <p>Course Description: HSSub Hardware Management, Maintenance and Troubleshooting provides the student with the information necessary to setup, configure and manage the HSSub Test System. The different components of the HSSub Test System are examined and troubleshooting techniques are taught to identify and isolate failures. Procedures are outlined for maintaining the operation of the test system.</p> <p>Course Content (Emphasis on the following subject areas) High Speed Subsystem Test Architecture, program development and integration</p> <ul style="list-style-type: none">• Identify hardware components of HSSub Test System• Identify and isolate failures with the HSSub• Run self-test procedures• Properly maintain HSSub Test System <p>Course Duration: 1 day</p> <p>Prerequisite(s): Hardware experience maintaining and troubleshooting complex electronic equipment.</p> <p>NOTES:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities• Minimum class size 3 students | \$ 1380 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------|
| 777-160-33 | <p>TRAINING IN HOUSE - AI-76X SERIES WORKSHOP</p> <p>Course Description: This course introduces the Ai-76x Series of analog test instrument. Emphasis is placed on typical source and measure applications using the DMM, the DSO, and MFA modules, implemented using the Analog Test Editor (a graphical user interface) and also using the C-API (Application Programming Interface). The MFA (Multi-function Analog) module includes Timer/Counter, Waveform Generator (standard and arbitrary) and Digitizer. The course is instructor-led with associated hands-on lab exercises.</p> <p>Course Content (Emphasis on the following subject areas) Ai-76x Series architecture and software programming, including:</p> <ul style="list-style-type: none">• General Introduction<ul style="list-style-type: none">• Hardware Architecture• Software Architecture• IVI Drivers• Ai-760 Help Reference and Examples• IVI configuration using MAX• C-API Programming<ul style="list-style-type: none">• Digital Multimeter (DMM)• Digital Sampling Oscilloscope (DSO)• Multifunction Analog (MFA)<ul style="list-style-type: none">• MFA Standard/Predefined Waveform Generation• MFA Arbitrary Waveform Generation• MFA Timer/Counter• MFA Digitizer• The graphical user interface (Analog Test Editor) <p>Course Duration: 5 days</p> <p>Prerequisite(s): C/C++ Programming</p> <p>NOTES:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 4600 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------|
| 777-170-31 | <p>TRAINING IN HOUSE - BI-4 WORKSHOP</p> <p>Course Description: This course introduces the Bi-4 Series family of bus test instruments. Emphasis is placed on programming the Bi-4 Series to transmit and receive data and perform bus testing, including error injection and detection, caching, and fetching status and data. The two protocols focused on in this training are RS232 and 1553.</p> <p>Course Content (Emphasis on the following subject areas): BTI Programming and Integration, including:</p> <ul style="list-style-type: none">• Hardware Architecture overview• Software API Overview• Transmitting data (RS232 protocol)• Receiving data (RS232 protocol)• Bus testing• 1553 Protocol <p>Course Duration: 3 days</p> <p>Prerequisite(s): General programming concepts C/C++ C Programming</p> <p>NOTES:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 2760 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------|
| 777-180-31 | <p>TRAINING IN HOUSE - DI-SERIES PROGRAMMING CLASS</p> <p>Course Description: The Di-Series Consolidated Programming training provides the student with the information necessary for developing, debugging and executing a digital test program using iStudio Digital Test Editor and exporting the debugged program to ANSI C. In addition, the information necessary for developing, debugging and executing a digital test program using IVI-C application program interface (API) functions is also covered.</p> <p>The course emphasis is on teaching fundamental digital testing concepts such as static and dynamic patterns, pattern sets, op-codes, formats, timing, phases and windows. These concepts are then applied by creating a PASS/FAIL test program that will test the functionality of a training board. The course then advances to using the IVI-C API functions to develop the same program with the additional information on retrieving and presenting failure information.</p> <p>The course will use a Di-Series DTI for lab purposes. The concepts learned apply to other Di-Series Digital Test Instruments.</p> <p>Course Content (Emphasis on the following subject areas) iStudio Digital Test Editor</p> <ul style="list-style-type: none">• Developing a digital test program• Fundamental concepts of Digital Testing• Constructing an iStudio project• Exporting the debugged program to ANSI C• Executing a digital test program to functionally test a UUT• IVI-C application program interface (API) functions• Developing a digital test program• Debugging a digital test program using C/C++ <p>Course Duration:</p> <ul style="list-style-type: none">• 5 days <p>Prerequisite(s):</p> <ul style="list-style-type: none">• General programming concepts• Digital applications• C/C++ Programming <p>Notes:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 4600 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 777-180-41 | <p>TRAINING IN HOUSE - DI-SERIES DIAGNOSTICS PROGRAMMING CLASS</p> <p>Course Description: The CSi Diagnostics with Di-Series training provides the student with the a procedure for converting, using the LSRTAP to CShell Converter, a LASARTM developed digital test with diagnostics and post processed to IEEE 1445 standard (LSRTAP) to run on the Di-Series DTI. The course covers the software tools used in converting, executing and debugging the LASAR generated Go/Nogo test, verifying the diagnostic data and integration into TestStudio. The course will use a Di-Series DTI for lab purposes. The concepts learned apply to other Di-Series Digital Test Instruments.</p> <p>Course Content (Emphasis on the following subject areas): CSi Diagnostics software tools and architecture, including:</p> <ul style="list-style-type: none">• Introduction to CShell• Introduction to Digital Runtime• LSRTAP to CShell Converter• Fault Dictionary Diagnostics• Guided Probe Diagnostics• TestStudio Integration <p>Class Duration: 3 days</p> <p>Prerequisite(s):</p> <ul style="list-style-type: none">• Must have taken the Di-Series Consolidated Programming course• Familiar with Di-Series DTI and test development tools• Familiar with Visual Studio C/C++• Familiar with TestStudio• Familiar with LASAR <p>Notes:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 2760 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------|
| 777-190-30 | <p>TRAINING IN HOUSE - SPECTRUM 9XXX - PROGRAMMING WITH TESTSTUDIO & M9-SERIES INSTRUMENTS</p> <p>Spectrum 9000-Series Programming with TestStudio provides the student with a software and hardware overview plus the knowledge, skills and procedures necessary to develop and implement a UUT test plan in TestStudio.</p> <p>Course Content (Emphasis on the following subject areas):</p> <ul style="list-style-type: none">• Develop and implement a UUT test plan in TestStudio• Develop/specify a test fixture (ITA) for the Spectrum 9000-Series systems.• Integrate and debug analog functional test(s) of the test plan• Implement programmatic test sequence control <p>Course duration: 5 days</p> <p>Prerequisite(s):</p> <ul style="list-style-type: none">• M9-Series Programming• LASAR V6 for Test Program Generation (For a customer who will be developing digital functional tests with guided probe and/or fault dictionary diagnostics using LASAR) <p>Notes:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 4600 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-190-35 | <p>TRAINING IN HOUSE - SPECTRUM 9XXX - PROGRAMMING WITH TESTSTUDIO & DI-SERIES</p> <p>Course Description: Spectrum 9000-Series Programming with TestStudio provides the student with a software and hardware overview plus the knowledge, skills and procedures necessary to develop and implement a UUT test plan in TestStudio.</p> <p>Course Content (Emphasis on the following subject areas): Using the Spectrum 9000-Series system with Test Studio software, including:</p> <ul style="list-style-type: none">• Hardware Overview and Operation• TestStudio introduction and basics• Xpress Databases• Leaflets, Add-ins and Basic Flow of Control• Spectrum Cross Point Matrix• Properties, Tools and Add-ins• TPS Execution, Flow of Control and Debugging• Programmatic Execution and Control• Dynamic HTML• Data collection <p>Course duration: 5 days</p> <p>Prerequisite(s): Di-Series Programming Course</p> <p>Notes:</p> <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities | \$ 4600 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-190-40 | <p>TRAINING IN HOUSE - SPECTRUM HS PROGRAMMING WITH TESTSTUDIO</p> <p>Course Description: Spectrum HS Programming with TestStudio provides the student with a software and hardware overview plus the knowledge, skills and procedures necessary to develop and implement a UUT test plan in TestStudio.</p> <p>Course Description: The Spectrum HS Programming with TestStudio training course provides the student with the information necessary for developing, integrating, debugging and executing a UUT test plan using a Spectrum HS system and TestStudio software. The course covers some of the hardware and software components of a typical Spectrum system, as well as a detailed view of the features of TestStudio and how they can be used to integrate test planning, documentation, and execution. Upon successful completion of the course you will be able to create a TestStudio project and integrate a test program for the High Speed Subsystem Training Kit Adapter that includes:</p> <ul style="list-style-type: none">• Interaction with test operator• Power supply tests• Analog functional tests• Digital functional tests• Programmatic test execution• Selective Data logging <p>Course Content (Emphasis on the following subject areas): Using the Spectrum HS system with Test Studio software, including:</p> <ul style="list-style-type: none">• TestStudio Introduction and Basics• TPS Execution, Flow of Control and Debugging• Nodes and Nodelets• Properties• Add-ins and Tools• Programmatic Execution and Control• Data collection• Hardware Overview and Operation• Xpress Databases• Analog and Digital Functional Test• User Power• Xpress Connections <p>Course duration: 5 days</p> <p>Prerequisite(s): Di-Series Programming Course</p> | \$ 4600 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| | Notes: <ul style="list-style-type: none">• Price is per student• Courses conducted at Teradyne facilities ON-SITE TRAINING CLASSES | |
| 777-420-42 | ON SITE TRAINING - SPECTRUM 9XXX - HARDWARE MANAGEMENT/MAINTENANCE AND TROUBLESHOOTING Course Description: <p>Spectrum 9000-Series Hardware Management, Maintenance and Troubleshooting provides the student with the information necessary to setup, configure and manage the SPECTRUM Spectrum 9000-Series Test System. The different components of the Spectrum Test System are examined and troubleshooting techniques are taught to identify and isolate failures. Procedures are outlined for maintaining the operation of the test system.</p> Course Content (Emphasis on the following subject areas): <ul style="list-style-type: none">• Introduction and Configuration• System Controller• Test System• Instrument Frame• Power Supplies• Instruments• VXI Instruments• IEEE Instruments• Installing Instruments• Running Self-Test• Troubleshooting• Maintenance Procedures Course duration: <p>3 days</p> Prerequisite(s): <ul style="list-style-type: none">• Hardware experience maintaining and troubleshooting complex electronic equipment.• Customer is to provide Spectrum 9000-Series system and selftest adaptor. Notes: <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 13650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 777-160-32 | <p>ON SITE TRAINING - AI-71X WORKSHOP CLASS - MAXIMUM 6 STUDENTS</p> <p>Course Description: In this workshop you will learn the architecture of the Ai7-Series product, capability and the basic skills needed to begin using the subsystem in analog functional test development. The workshop uses the C-API functions that are provided with the instrument driver to program the instrument.</p> <p>Course Content (Emphasis on the following subject areas) Ai-7 Series product architecture and software, including:</p> <ul style="list-style-type: none">• Overview• Operation and verification• Trigger subsystem• Sourcing stimulus<ul style="list-style-type: none">• DC Voltage• Pulse Current• Arbitrary Waveforms• Measurements<ul style="list-style-type: none">• DC Voltage• DC Current• Frequency and Time interval• Limit Detect• Digitizing• Interrupts and Interrupt handling <p>Course Duration: 3 days</p> <p>Prerequisite(s): C/C++ Programming</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 13650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-160-34 | <p>ON SITE TRAINING - AI-76X WORKSHOP CLASS - MAXIMUM 6 STUDENTS</p> <p>Course Description: This course introduces the Ai-76x Series of analog test instrument. Emphasis is placed on typical source and measure applications using the DMM, the DSO, and MFA modules, implemented using the Analog Test Editor (a graphical user interface) and also using the C-API (Application Programming Interface). The MFA (Multi-function Analog) module includes Timer/Counter, Waveform Generator (standard and arbitrary) and Digitizer. The course is instructor-led with associated hands-on lab exercises..</p> <p>Course Content (Emphasis on the following subject areas) Ai-76x Series architecture and software programming, including:</p> <ul style="list-style-type: none">• General Introduction<ul style="list-style-type: none">• Hardware Architecture• Software Architecture• IVI Drivers• Ai-760 Help Reference and Examples• IVI configuration using MAX• C-API Programming<ul style="list-style-type: none">• Digital Multimeter (DMM)• Digital Sampling Oscilloscope (DSO)• Multifunction Analog (MFA)<ul style="list-style-type: none">• MFA Standard/Predefined Waveform Generation• MFA Arbitrary Waveform Generation• MFA Timer/Counter• MFA Digitizer• The graphical user interface (Analog Test Editor) <p>Course Duration: 5 days</p> <p>Prerequisite(s): C/C++ Programming</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 22830 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|------------|
| 777-175-32 | <p>ON SITE TRAINING - HSSUB TPS TRAINING - MAXIMUM 6 STUDENTS</p> <p>Course Description: The HSSub TPS Training provides the student with introductory information necessary for developing, debugging and executing a subTPS on the HSSub. The course emphasis is concepts and architecture of the High Speed Subsystem. These concepts are then applied by creating programs written in C++. The course will use the High Speed Subsystem with HSSub-5010, HSSub-eDigital 6020A or FIOXI instrument with an RS232 or RS422/RS485 PIM for lab purposes. The concepts learned apply to other Core and/or IO Expansion instruments.</p> <p>Course Content (Emphasis on the following subject areas) High Speed Subsystem Test Architecture, program development and integration:</p> <ul style="list-style-type: none">• Architecture Overview• Hardware Overview• Software Overview• HSSub Basic Programming• HSSub App and Driver Usage <p>Course Duration: 3 days</p> <p>Prerequisite(s): C/C++ Programming Digital Applications Familiarity with Visual Studio C/C++</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 13650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------|
| 777-175-33 | <p>TRAINING IN HOUSE - HSSUB RTSCRIPT PROGRAMMING</p> <p>Course Description: The HSSub RTScript Programming Course provides the student with the information necessary for developing, debugging and executing RTScript programs. In addition, the student will learn how to use the RTScript editor and be able to describe what RTScript is and how it works. The course identifies HSSub App development scenarios where the use of RTScript is appropriate for Real-Time development instead of the TriFlex Real-Time driver APIs and VxWorks. The course will use an HSSub-eDigital 6020A or HSSub-6020 along with the LED training kit, part of the Test Development Kit (TDK), for lab purposes. The concepts learned apply to other HSSub instruments with application specific firmware. The target audience for this course is an HSSub customer looking for RTScript programming experience as part of HSSub App development. The training exercises use Visual C++ along with the RTScript editor and the RTScript language.</p> <p>Course Content (Emphasis on the following subject areas): HSSub RTScript Programming Training includes:</p> <ul style="list-style-type: none">• RTScript Basics• RTScript Extension with the Application Framework• RTScript Error Handling and DMA <p>Course Duration: 2 days</p> <p>Prerequisite(s): Courses: 1. HSSub TPS Programming Course 2. HSSub App Development Course Experience with: 1. Digital applications 2. General programming concepts 3. Familiarity with C/C++</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Training is conducted using the most current level of software and the standard training material.• Consult the training manager for special requirements for lab exercises. | \$ 1970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| 777-175-40 | <p>ON SITE TRAINING - REMOTE TEST HEAD TRAINING AND SUPPORT - MAXIMUM 6 STUDENTS</p> <p>Course Description: This class covers the Spectrum HSSub Remote Test Head (RTH) with a focus on the SlimRTH and the HSSub-6140 8G Hybrid instrument.</p> <p>In addition to the on-site training class Teradyne will provide one week of on-site support (PN 777-325-19) for RTH Test implementation.. This applications time must be used within 90 days of the completion of the training.</p> <p>Course Content (Emphasis on the following subject areas)</p> <ul style="list-style-type: none">• Overview• Hardware• Software• Front Panel Pinouts• Differences between (6020 & 6040) and 6140• Remote Test Head (RTH)• Checkers• Loopback Testing• Boundary Scan using HSSub-6140• FPGA migration from LVTTL & Hybrid to HSSub-6140 <p>Course Duration: 3 days</p> <p>Prerequisite(s): C/C++ Programming</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Pricing includes travel & per diem charges for Teradyne Applications Engineer for one wee of on-site Test implementation support..• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab exercises require a working SlimRTH and HSSub | \$ 30010 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-176-32 | <p>ON SITE TRAINING - HSSUB APP TRAINING - MAXIMUM 6 STUDENTS</p> <p>Course Description: The High Speed Subsystem Application Development Training provides the student with introductory information necessary for developing custom High Speed Subsystem Applications (HSSub Apps).</p> <p>The course will cover a high-level overview of the architecture of the HSSub instrument, identifying differences between Core and IO Expansion instruments and describing Test Defined FPGA (TDF) features. The included FPGA development tools will be explained and demonstrated.</p> <p>The Application Interface overview will cover the basic components of an HSSub App, the development process and demonstration of an HSSub App with the LED Training Kit. The Application Interface section will also cover high level concepts including data transfer and hardware interrupts. The concepts here will be applied by using and modifying the LED Training Kit Application Interface code written in C.</p> <p>Course Content (Emphasis on the following subject areas) Advanced HSSub TPS development focused on HSSub App development:</p> <ul style="list-style-type: none">• Architecture Overview• HSSub TDF Introduction• HSSub TDF Advanced Topics• HSSub App Interface Introduction• HSSub App Interface Advanced Topics <p>Course Duration: 3 days</p> <p>Prerequisite(s):</p> <ul style="list-style-type: none">• Must have already taken the HSSub TPS Training• C/C++ Programming• Digital Applications• Advanced programming concepts• Familiar with Visual Studio C/C++• Familiar with a Hardware Description Language (VHDL or Verilog) if future FPGA support or development activities are planned <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material. | \$ 13650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-177-32 | <ul style="list-style-type: none">• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. <p>ON SITE TRAINING - HSSUB MAINTENANCE TRAINING - MAXIMUM 6 STUDENTS</p> <p>Course Description: HSSub Hardware Management, Maintenance and Troubleshooting provides the student with the information necessary to setup, configure and manage the HSSub Test System. The different components of the HSSub Test System are examined and troubleshooting techniques are taught to identify and isolate failures. Procedures are outlined for maintaining the operation of the test system..</p> <p>Course Content (Emphasis on the following subject areas) High Speed Subsystem hardware maintenance and troubleshooting:</p> <ul style="list-style-type: none">• Identify hardware components of HSSub Test System• Identify and isolate failures with the HSSub• Run self-test procedures• Properly maintain HSSub Test System <p>Course Duration: 1 day</p> <p>Prerequisite(s): • Hardware experience maintaining and troubleshooting complex electronic equipment.</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Customer provides HSSub system and selftest adaptor.• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 6470 |
| 777-160-35 | <p>ON SITE TRAINING - AI-71X WORKSHOP CLASS - ADDITIONAL STUDENT</p> <p>This is the incremental cost of adding a student to an AI-71x class configured for 6 students.</p> <p>NOTES:</p> <ul style="list-style-type: none">• Additional students to a maximum of 8. Above 8 students it requires an additional instructor | \$ 2390 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-160-36 | <p>ON SITE TRAINING - AI-76X WORKSHOP CLASS - ADDITIONAL STUDENT</p> <p>This is the incremental cost of adding a student to an Ai-76x class configured for 6 students.</p> <p>NOTES:</p> <ul style="list-style-type: none">• Additional students to a maximum of 8. Above 8 students it requires an additional instructor | \$ 3970 |
| 777-170-32 | <p>ON SITE TRAINING - BI4 WORKSHOP - MAXIMUM 6 STUDENTS</p> <p>Course Description: This course introduces the Bi-4 Series family of bus test instruments. Emphasis is placed on programming the Bi4 Series to transmit and receive data and perform bus testing, including error injection and detection, caching, and fetching status and data. The two protocols focused on in this training are RS232 and 1553.</p> <p>Course Content (Emphasis on the following subject areas:) BTI Programming and Integration, including:</p> <ul style="list-style-type: none">• Hardware Architecture overview• Software API Overview• Transmitting data (RS232 protocol)• Receiving data (RS232 protocol)• Bus testing• 1553 Protocol <p>Course Duration: 5 days</p> <p>Prerequisite(s): C/C++ Programming</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 22830 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|-----------------|
| 777-170-35 | <p>ON SITE TRAINING - BI4 WORKSHOP - ADDITIONAL STUDENT</p> <p>This is the incremental cost of adding a student to a class configured for 6 students.</p> <p>NOTES:</p> <ul style="list-style-type: none">• Additional students to a maximum of 8.• Above 8 students it requires an additional instructor | \$ 3970 |
| 777-103-44 | <p>ON SITE TRAINING - M9 PROGRAMMING INTRODUCTION TRAINING-MAXIMUM 6 STUDENTS</p> <p>Course Description:</p> <p>The M9-Series Programming Introduction Course provides the student with the information necessary for developing, debugging and executing a digital test program using this VXI based functional test instrument. The course emphasis is on teaching fundamental digital testing concepts such as static and dynamic patterns, bursts, op-codes, formats, timing, phases and windows. These concepts are then applied by creating a PASS/FAIL test program that will test the functionality of a training board. Using the Soft Front Panel the student will be able to quickly and easily develop both static and dynamic functional tests. The course will use the M910 DTI for lab purposes. The concepts learned apply to other M9-Series Digital Test Instruments.</p> <p>Course Content (Emphasis on the following subject areas):</p> <p>M9-Series architecture and programming, including:</p> <ul style="list-style-type: none">• Basic Digital Testing Concepts• Hardware Overview• Software Overview• Creating a digital test program• API Functions <p>Course Duration:</p> <p>3 days</p> <p>Prerequisite(s):</p> <p>General programming concepts C/C++ PC Programming</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 13650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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| 777-104-44 | <p>ON SITE TRAINING - M9 INTRODUCTION TRAINING-ADDITIONAL STUDENT</p> <p>This is the incremental cost of adding a student to a class configured for 6 students.</p> <p>NOTES:</p> <ul style="list-style-type: none">• Additional students to a maximum of 8. Above 8 students it requires an additional instructor | \$ 2390 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------|
| 777-102-44 | <p>ON SITE TRAINING - M9 ADVANCED PROGRAMMING TRAINING-MAXIMUM 6 STUDENTS</p> <p>Course Description: The M9-Series Advanced Programming with API Functions course provides detailed API function instruction. API, or Application Programmatic Interface, functions are low-level functions that can be used to program every aspect of the Digital Test Instrument (DTI). This course is normally reserved for System Integrators or users that intend to program the DTI using low-level function calls. The students will learn about the API functions through the development of a static and dynamic program. Instruction is provided in C but the concepts learned can easily be applied to other programming environments.</p> <p>Course Content (Emphasis on the following subject areas): M9-Series architecture and programming, including:</p> <ul style="list-style-type: none">• Review of Testing Concepts• Static Testing with API• Dynamic Testing with API <p>Class Duration: 2 days</p> <p>Prerequisite(s): General programming concepts C/C++ PC Programming Must have already taken the M9-Series Programming Introduction course</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 8970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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| 777-105-44 | <p>ON SITE TRAINING - M9 ADVANCED TRAINING-ADDITIONAL STUDENT</p> <p>This is the incremental cost of adding a student to a class configured for 6 students.</p> <p>NOTES:</p> <ul style="list-style-type: none">• Additional students to a maximum of 8. Above 8 students it requires an additional instructor | \$ 1650 |
| 777-108-44 | <p>ON SITE TRAINING - M9 DIAGNOSTICS - MAXIMUM 6 STUDENTS</p> <p>Course Description: The M9-Series Diagnostics Course provides the student with the information necessary for developing diagnostic information on the M9-Series DTI. The student will use this diagnostic data to diagnose faults on a training board. Fault Dictionary and Guided Probe tools and concepts will be covered through lecture and hands-on lab experience.</p> <p>Course Content (Emphasis on the following subject areas): M9-Series Diagnostics software and tools, including:</p> <ul style="list-style-type: none">• Fault Dictionary Diagnostics• Guided Probe Diagnostics• Diagnostics using a DLL (optional)• Boundary Scan (optional) <p>Course duration: 2 days</p> <p>Prerequisite(s) General programming concepts C/C++ PC Programming Must have already taken the M9-Series Programming Introduction course</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 8970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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| 777-108-45 | ON SITE TRAINING - M9 DIAGNOSTICS - ADDITIONAL STUDENT This is the incremental cost of adding a student to a class configured for 6 students. NOTES: <ul style="list-style-type: none">• Additional students to a maximum of 8. Above 8 students it requires an additional instructor | \$ 1650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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| 777-180-32 | <p>ON SITE TRAINING - DI-SERIES PROGRAMMING CLASS (MAXIMUM 6 STUDENTS)</p> <p>Course Description: The Di-Series Consolidated Programming training provides the student with the information necessary for developing, debugging and executing a digital test program using iStudio Digital Test Editor and exporting the debugged program to ANSI C. In addition, the information necessary for developing, debugging and executing a digital test program using IVI-C application program interface (API) functions is also covered.</p> <p>The course emphasis is on teaching fundamental digital testing concepts such as static and dynamic patterns, pattern sets, op-codes, formats, timing, phases and windows. These concepts are then applied by creating a PASS/FAIL test program that will test the functionality of a training board. The course then advances to using the IVI-C API functions to develop the same program with the additional information on retrieving and presenting failure information.</p> <p>The course will use a Di-Series DTI for lab purposes. The concepts learned apply to other Di-Series Digital Test Instruments.</p> <p>.</p> <p>Course Content (Emphasis on the following subject areas) iStudio Digital Test Editor</p> <ul style="list-style-type: none">• Developing a digital test program• Fundamental concepts of Digital Testing• Constructing an iStudio project• Exporting the debugged program to ANSI C• Executing a digital test program to functionally test a UUT• IVI-C application program interface (API) functions• Developing a digital test program• Debugging a digital test program using Visual C++ <p>Course Duration:</p> <ul style="list-style-type: none">• 5 days <p>Prerequisite(s):</p> <ul style="list-style-type: none">• General programming concepts• Digital applications• C/C++ Programming <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of | \$ 22830 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
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| | software and the standard training material. <ul style="list-style-type: none">• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | |
| 777-180-35 | ON SITE TRAINING - DI-SERIES PROGRAMMING CLASS - ADDITIONAL STUDENT This is the incremental cost of adding a student to a class configured for 6 students. NOTES: <ul style="list-style-type: none">• Additional students to a maximum of 8. Above 8 students it requires an additional instructor | \$ 3970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|------------|
| 777-180-42 | <p>ON SITE TRAINING - DI-SERIES DIAGNOSTICS PROGRAMMING CLASS (MAXIMUM 6 STUDENTS)</p> <p>Course Description: The CSi Diagnostics with Di-Series training provides the student with the a procedure for converting, using the LSRTAP to CShell Converter, a LASARTM developed digital test with diagnostics and post processed to IEEE 1445 standard (LSRTAP) to run on the Di-Series DTI. The course covers the software tools used in converting, executing and debugging the LASAR generated Go/Nogo test, verifying the diagnostic data and integration into TestStudio. The course will use a Di-Series DTI for lab purposes. The concepts learned apply to other Di-Series Digital Test Instruments.</p> <p>Course Content (Emphasis on the following subject areas): CSi Diagnostics software tools and architecture, including:</p> <ul style="list-style-type: none">• Introduction to CShell• Introduction to Digital Runtime• LSRTAP to CShell Converter• Fault Dictionary Diagnostics• Guided Probe Diagnostics• TestStudio Integration <p>Class Duration: 3 days</p> <p>Prerequisite(s): Must have taken the Di-Series Consolidated Programming course Familiar with Di-Series DTI and test development tools Familiar with Visual Studio C/C++ Familiar with TestStudio Familiar with LASAR</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 13650 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|-----------------|
| 777-180-45 | <p>ON SITE TRAINING - DI_SERIES DIAGNOSTICS - ADDITIONAL STUDENT</p> <p>This is the incremental cost of adding a student to a class configured for 6 students.</p> <p>NOTES:</p> <ul style="list-style-type: none">• Additional students to a maximum of 8. Above 8 students it requires an additional instructor | \$ 1650 |
| 777-351-35 | <p>ON SITE TRAINING - SPECTRUM 9XXX - PROGRAMMING WITH TESTSTUDIO & DI-SERIES</p> <p>Course Description</p> <p>Spectrum 9000-Series Programming with TestStudio provides the student with a software and hardware overview plus the knowledge, skills and procedures necessary to develop and implement a UUT test plan in TestStudio.</p> <p>Course Content (Emphasis on the following subject areas):</p> <p>Using the Spectrum 9000-Series system with Test Studio software, including:</p> <ul style="list-style-type: none">• Hardware Overview and Operation• TestStudio introduction and basics• Xpress Databases• Leaflets, Add-ins and Basic Flow of Control• Spectrum Cross Point Matrix• Properties, Tools and Add-ins• TPS Execution, Flow of Control and Debugging• Programmatic Execution and Control• Dynamic HTML• Data collection <p>Course duration:</p> <p>5 days</p> <p>Prerequisite(s):</p> <p>Di-Series Programming Course</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | \$ 22830 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------|
| 777-351-40 | <p>ON SITE TRAINING - TESTSTUDIO SOFTWARE</p> <p>Course Description The training uses a series of software-only examples or simulation nodes to show the development of a TPS using TestStudio. The content and lab exercises do not feature interaction with hardware or test systems.</p> <p>Course Content:</p> <ul style="list-style-type: none">• Software overview• Trees and nodes• Properties• Inlets and outlets• Add-ins• Scripting• Programmatic execution and control• Datalogging <p>Course Duration: 2 days</p> <p>Prerequisite(s): General programming concepts</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Consult the training manager for special requirements for lab exercises. | \$ 8970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------|
| 777-351-41 | IN HOUSE TRAINING - TESTSTUDIO SOFTWARE Course Description The training uses a series of software-only examples or simulation nodes to show the development of a TPS using TestStudio. The content and lab exercises do not feature interaction with hardware or test systems. Course Content: <ul style="list-style-type: none">• Software overview• Trees and nodes• Properties• Inlets and outlets• Add-ins• Scripting• Programmatic execution and control• Datalogging Course Duration: 2 days Prerequisite(s): General programming concepts Notes: <ul style="list-style-type: none">• Training is conducted using the most current level of software and the standard training material. | \$ 1970 |
| 777-351-36 | ON SITE TRAINING - S9100 TESTSTUDIO TRAINING - ADDITIONAL STUDENT This is the incremental cost of adding a student to a class configured for 6 students. NOTES: <ul style="list-style-type: none">• Additional students to a maximum of 8. Above 8 students it requires an additional instructor | \$ 3970 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| 777-110-30 | <p>ON SITE TRAINING - TYX PAWS PROGRAMMING CLASS (6 STUDENTS)</p> <p>Provides hands on experience developing Test Program Sets (TPS's) using the Professional ATLAS Work Station (PAWS®).</p> <p>Course duration: 5 days</p> <p>Prerequisite(s): Good programming knowledge</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | Consult Factory |
| 777-130-30 | <p>ON SITE TRAINING - TYX ATLAS IEEE PROGRAMMING CLASS (6 STUDENTS)</p> <p>This five day course provides experience writing ATLAS programs using the IEEE 716-1989 ATLAS subset.</p> <p>Course duration: 5 days</p> <p>Prerequisite(s): Good programming knowledge</p> <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|---|---|----------------|
| CUSTOMER SPECIFIC TRAINING CLASSES | | |
| 553-303-91 | ON-SITE TRAINING - SPECTRUM 9XXX - CUSTOMER SPECIFIC COURSE Standard on-site software training. Price is per day. NOTES: <ul style="list-style-type: none">• Classes are quoted for a specific number of days of on-site training which will be based on customer specific requirements.• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab exercises have certain system configuration requirements. Consult the training manager or special requirements.• Your Software Support Agreement should be current to insure that you are running the latest software level. If the customer does not have a current SSA, Quote (P/N 777-828-12).• All on-site costs are for up to 6 people, all per diem included. | \$ 4800 |
| 777-502-42 | ON SITE TRAINING - CUSTOMER TRAINING DEVELOPMENT Development of course material for this project is a one time NRE. NOTES: <ul style="list-style-type: none">• All classes are for up to 6 students maximum• Operations and maintenance must be at customer site.• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates | \$ 3110 |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|---|----------------------------|
| 777-525-19 | <p>ON SITE TRAINING - APPLICATION CLASS</p> <p>Application Training: This training provides the student with the basic information for developing, debugging and executing a digital and analog test program using this VXI based functional test instrument.</p> <p>The course will review fundamental digital testing concepts such as static and dynamic patterns, bursts, op-codes, formats, timing, phases and windows. Will also introduce the student how to integrate analog test using TestStudioTM This course provides the student with a software and hardware overview plus the basic knowledge to:</p> <ul style="list-style-type: none">• Develop and implement a UUT test plan in TestStudioTM• Integrate and debug analog functional test (s) of the test plan• Integrate and debug digital functional test of the test plan• Implement programmatic test sequence control• Integration using TestStudio and Labwindow CVI <p>Course duration: Variable</p> <p>Prerequisite(s):</p> <ul style="list-style-type: none">• Familiarity with LabWindow/CVI, Worked on ATE for at least 3 years• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates | Consult Factory |



SPECTRUM SERIES PRICE CATALOG NORTH AMERICA

| PART # | DESCRIPTION | LIST PRICE |
|------------|--|----------------------------|
| 777-520-19 | <p>ON SITE TRAINING - B1 CAPSTONE WORKSHOP</p> <p>Upon completion of the class, the student will be familiar with the basics of the B1 Application Development Environment (ADE), and using the ADE to begin converting IATE test programs for use on the B1 ADTS. The workshop will consist of two days of TPS rehost process discussions, including how the material previously covered will fit into the development process. There will also be an overview of the ADTS and the ATLAS database files necessary for TPS compiling. The remaining three days will consist of a workshop environment where each student will begin the process using his or her assigned project. The student should come to class on the third day with all available TPS data for the original IATE program.</p> <p>Course Content (Emphasis on the following subject areas:)</p> <ul style="list-style-type: none">• Test Process Overview• B1 ATLAS Conversion Utility (ASCU)• Identifying issues for manual conversion• Compiling converted programs in the PAWS environment.• Identifying adapter requirements• Non-ATLAS Module requirements• Integration issues <p>Course duration: 5 days</p> <p>Prerequisite(s):</p> <ul style="list-style-type: none">• Good programming knowledge•• All training classes as defined in the B1 TPS developer training plan. <p>Notes:</p> <ul style="list-style-type: none">• Six Students maximum• Pricing includes travel&per diem charges for instructor and documentation for each student for classes within the US., For Overseas classes travel will be billed at actual rates• Training is conducted using the most current level of software and the standard training material.• Training fixture and lab excercises have certain system configuration requirements. Consult the training manager for special requirements. | Consult Factory |