



Date: January 11, 2005

Dear Valued GR228X and TS8X Customer,

As of January 2005, all Combo-based test system transitioned from the Full Support to the Limited Support category. This means that Teradyne no longer provides full software releases. We will still provide software support and sustaining development for the discontinued 2280, 2281, 2283, 2284, 2286, 2287, 2287L, 2287LX, TS83, TS84, TS86, TS87, TS87L, and TS87LX Combo and HDC pin board testers.

Teradyne is pleased to announce the introduction of our newly designed TestStation platform called the TS-LX. The TS-LX tester models have an extended system controller with consolidated instruments and a compact footprint. It can be configured with a standard (3840 pin) or large (7680 pin) receiver and replaces previous TS128, TS124, TS121, TS128L, and TS124L TestStation models.

The TS-LX test systems consolidate many tester hardware control and accessory functions into a single system controller Board. The resulting benefits are reduced board types, lower system power requirements, increased system reliability, a smaller footprint, and increased pattern memory depth. It can be configured with a variety of multiplexed and non-multiplexed pin cards and can be used in both low and high pin count applications up to 7680 pins. The TS-LX test systems also use Teradyne's patented UltraPin and SafeTest Protection Technologies to provide the most accurate, reliable, and safe in-circuit testing solution in the industry.

The TS-LX was designed to offer 100% program and fixture compatibility with the former TS12X models. It uses the same fixture receivers, UltraPin D/S cards and Alliance power supplies. The LX also allows installation of the AFTM board in any pin board slot for easy transportability between the different frame styles and an extra accessory slot for future expansion.

The TS-LX test systems preserves the investments you have made in TS12X in-circuit testers by allowing direct transfer of test programs and fixtures – with no extra costs or program development required. Test programs and fixtures for Teradyne's smaller receiver TestStation LH tester models can also be directly transferred to Teradyne's larger receiver TS-LX platform using a simple fixture adapter.

See Teradyne's [in-circuit product](#) web pages for more information on the complete line of Teradyne's TestStation in-circuit test systems and to the attached appendix for a comparison of the capabilities of the new TS-LX and previous TS12X test systems.

Sincerely yours,

In-Circuit Test Product Manager

No.	Compare Items	TS12X	TS-LX	Remark
1	Machine Mechanical Design	Proprietary Frame and custom sheet metal	Industry Standard Bosch frame design	TS-LX Easier to build, service, and support. Faster Repair and Maintenance
2	Tester Footprint	68" Width x 55.7" Depth x 43.5" Height	66" Width x 44.5" Depth x 33.25" Height	TS-LX requires less floor space
3	System Control Board	Fire Board Control Set: High Speed Controller, MXI-to-GR, Clock/Sync/Trigger, Analog Functional Test Module, and Deep Serial Memory	Consolidated System Control Card with integrated HSC, MTG, CST, AFTM, and DSM functionality	TS-LX has 5 to 1 board reduction, less board types, improved reliability, and lower spares costs
4	Accessory Boards	Must be placed in pin board slot reducing overall pin count	Dedicated Accessory Board Slot	Adding Accessory Boards like CFB, AFTM, and DSM to the TS-LX does not reduce overall tester pin capacity
5	Frequency Measurement Capability	Standalone AFTM or FTI instruments	Standalone AFTM or FTI instruments or integrated System Frequency/Time Module (SFTM)	Integrated DSM is a new lower cost alternative to the AFTM and FTI and does not take up a tester slot
6	Deep Serial Memory Capability	Standalone DSM instrument	Standalone DSM instrument or integrated DSM	Integrated DSM is a new lower cost alternative to the standalone DSM and does not take up a tester slot
7	Default Operating System	Windows NT	Windows XP	Microsoft's most recent Operating System
8	Frequency Management Programming Language	subroutine programming language or high level AFTM programming	Same as TS12X plus new high level programming language to support integrated SFTM instrument	TS-LX with SFTM has simplified programming for Frequency test measurements
9	Memory Behind the Pin	1K Low Speed, 16K High Speed	64K Low Speed, 64K High Speed	TS-LX allows more test vectors to be applied per Burst. Low Speed isolation vectors will not exhaust pin memory
10	Product Support Category	Discontinued. Full S/W and H/W Support available	Active Production. Full S/W and H/W Support available	Old TS12X tester models are no longer in Production