

# Spectrum 8862 (TSSE)

## Combinational In-Circuit Test / Functional Test System

### KEY FEATURES

- Provides direct Z18XX program migration
- Wireless personality plate allows use of existing fixture
- Graphical, easy-to-use programming and debug environments
- PC-based with native Windows 7 operating system



Spectrum 8862 provides full performance and product validation for use in Automotive, Industrial, and Defense and Aerospace system level test.

### Overview

The TestStation SE™ is the natural Z18xx replacement system. It builds on the Z1800-Series' ease-of-use and reliability and easily brings the user into a modern and more powerful architecture and environment. It truly is the Z18xx for the 21st century. The TestStation SE also represents the best in-circuit test value at the best price for high-volume electronics manufacturers who need flexibility and adaptability in manufacturing process test. Everything is included with the TestStation SE: computer, software, vectorless testing, and access to Teradyne's award-winning, worldwide network of support and service.

TestStation SE provides manufacturers with up to 2560 all-real channels (non-multiplexed - driver/receiver behind each pin), a high-accuracy PRISM™ analog measurement instrument, and in-depth digital test capabilities. The high-density fixture interface ensures a short distance between board under test and channel electronics, and is readily adaptable to wireless fixtures. The TestStation SE hardware guarantees high mean-time-between-failures for production floor reliability.

### Lower Cost of Test

The TestStation SE helps drive down the cost of test by incorporating a customer-friendly, template-driven program development software environment that is

easy to use and simple to learn, enabling manufacturers to save days of program development and debug time. The TestStation SE is a true global solution for in-circuit test, providing one global price, ease of use, high reliability, and test-cost reduction-and backed by Teradyne, a global company.

### Test Capabilities

- Standard shorts and opens testing
- High-performance analog using PRISM DSP based analog
- Digital vector testing for SSI, LSI, VLSI, including TTL, 3v, CMOS, and ECL logic levels
- Fully synchronized testing of mixed-signal devices such as ADC, DAC, CODECs
- Vectorless opens test using MultiScan
- VICTORY Boundary Scan test suite for reduced access testing
- In Line Device Programming capability for programming Flash, EEPROM and FPGAs using CC3 Lightning channel card
- Functional system upgrade option with internal VXI instrument

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## General System Features

- *PC-based test programming and system control*
- *Windows 7 operating system*
- *Language-free worksheet-based programming*
- *Non-multiplexed driver/receiver architecture supporting up to 2560 channels (25% greater channel expansion headroom than Z18xx-2 systems)*
- *TestExpert or D2B Alchemist support for test program and fixture development*
- *Easy in-line implementation*
- *Compact footprint*

## The Natural Z18XX Replacement

- *Provides direct Z18XX program migration*
- *Wireless personality place (optional) allows use of existing Z18XX fixtures*
- *MultiScan vectorless test tool suite is fully compatible*
- *Same design preferences minimizes re-training*
- *Same sales and support infrastructure to provide transition help*

