

terotest

Wayne Kerr 3900 Series ATE Systems

Overview

The 3900 Series of ATE systems from Wayne Kerr comprises three systems - the 3950, 3990, and 3994, which provide compatibility with programs, fixtures and modules used on previous generations. With the 3900 Series, attention has been paid, not only to significant improvements in speed and specification, but also to ergonomics, ease of use, serviceability and to the needs of the operator.

As with previous ATEs from Wayne Kerr, the 3900 Series ATE has been designed with future developments in mind, to ensure that our customers maintain any investment in previous systems, through the 3900 Series ATE and beyond the next generation.



Description:

All 3900 systems make use of a compatible internal architecture which enables fixtures and programs to be transferred easily from one system to another.

The Test Rack houses up to 21 Test Modules, which provide the functionality of the machine. The modules are of the Double Eurocard Hyper Extended size and have two system connectors at the rear and a Test Interface Connector, of the DIN 41612 style, at the front. An additional 5 way connector, between system connectors, is available for custom use. Each Test Module is screened from its neighbour with a screening plate. The Test Modules have a 32 bit interface with the system bus which provides very quick communication with the module helping to reduce test times.

On either side of the test rack are the fixture down detection pogo pins and the vacuum port and fixture location lugs. These allow the fixture to be located precisely on the vacuum spigots before engaging them in the Test Interface Connectors (TICs). On either side of the vacuum spigots are the fixture catch locators.

The mouse and full keyboard are used to provide an appropriate interface in the programming environment.

To simplify use of the 3900 Series ATE in the operating environment, Program Name Reader allows the fixture's name and version to be read automatically from the fixture and the correct test program loaded, thus removing errors caused by old versions of test programs and fixtures.

The 3900 systems include a table top with a drawer beneath to house the keyboard when not in use. Also available is an optional large table top, designed to accommodate free standing instruments, or a small table to reduce the system footprint. The units also have a 19" rack system in the foot of the pedestal, designed to support rack mounted instruments. IEEE, RS323, USB, LXI and IEC mains (via IEC socket) are provided.

A probe port is provided to which a standard 'scope' probe can be connected. This probe can be connected, under software control, to the Scopelt facility system CRC generator, the system counter timer lines or to the analogue bus, allowing roving probe measurements to be made for diagnostic purposes.

Two BNC connectors are available on the THI-39 for the routing of signals between the system analogue buses and external instrumentation. These are ideally suited for specialised signal measurements.

The 3900 Systems are controlled by ATESys, the Systems own Test Executive. ATESys runs on the latest Microsoft Windows 7 professional operating system.



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If you thought you couldn't test it.....
.....talk to us !

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