



## FWT-a Firewire Industrial Hardware Tester



GFWT-a Firewire Hardware Industrial Tester is the first of its kind in the market today. Serving both as a production tester and a development tool, the FWT-a is robust enough to withstand the continuous test environments needed on the production line yet comes with the flexibility and functionality for engineers to accurately validate design in the lab.

As a production tester, FWT-a is a robust equipment designed with ease of use in mind. A powerful yet user-friendly interface ensures easy operation and integration of test process into existing test environments on the production floor.

As a development tool, there is a large range of validation options to choose from to help engineers validate and evaluate design of products in the lab.

### Features & Test Cases

- DOS-based application software program.
- Flexible test parameter set-up for production and development.
- Enclosed hardware in a sturdy and robust metal casing.
- Indicative LED display located on the front panel.
- Includes IEEE 1394a compliant cables and AC to DC power converter.
- Complies fully with IEEE 1394a (Firewire-a) specifications.
- Supports OHCI host implementations.
- Connection tests with automatic 'smart' set-up of Topology.
- Transmission tests for both Isochronous and Asynchronous modes for all packet sizes defined for S100, S200 and S400 speeds.
- PCI register set-up tests.
- Verification of link register access.
- Verification of PHY register access.

### Operational Description & System Requirements

The GFWT-a connects to the IEEE 1394 (Firewire) ports of the unit under test. Application software program for the GFWT-a is to be run under pure DOS mode. The unit under test should be installed with at least DOS 7.0, 32MB of RAM and at least 2MB of free hard disk space.

For each port, the GFWT-a will check set up each port found on the Firewire controller and perform the test cases. When the test cases are successfully executed, the software will declare the unit under test as 'pass'.



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