WireXpert Cable Certifier

A new paradigm in cable testing

NEW

FAST AND SIMPLE

WireXpert completes CAT6$_A$ certification test in less than 9 seconds and Class F$_A$ testing in 15 seconds. It offers intuitive navigation through the screens on the device, and generates professional reports through its PC software ReportXpert.

10 ‚GIG' AND BEYOND

If you are testing 10 Gb/s cabling, WireXpert is the clear choice. If you are thinking beyond 10G, WIreXpert is the only choice. Built on a future-proof measurement engine, WireXpert protects your investment in test equipment as the data rates supported by the cabling systems increase.

✗ Sets new standards for user friendliness with touch screen graphical interface at both local and remote ends

✗ Innovative approach to permanent link testing combines superior measurement accuracy with low cost of ownership and ease of use

✗ Geared up for certifying CAT 6$_A$, CAT 7, and CAT 7$_A$ cabling and beyond with measurement frequency range of 1-1600 MHz

✗ Dual wavelength fiber adapters for multimode and singlemode fiber certification

EXPERTS IN CABLE CERTIFICATION

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WireXpert Cable Certifier

FAST – EASY – ACCURATE

EASY TO USE

WireXpert comes with an intuitive touch sensitive user interface featuring bright color LCD screen, making cable certification testing easier than ever. The new dual control system (DCS ™) – featuring identical devices for remote and main units – makes it really easy to operate the test cycles. Whether coordinated by two technicians or only one, walking time between outlets is minimized.

CAT 7$_A$ (CLASS F$_A$) TESTING

WireXpert is the only tester in the market with the capability to certify Class F$_A$ cabling systems over its entire specified frequency range with required measurement accuracy. In fact, WireXpert's measurement engine is capable for testing against future cabling standards required for 40G and 100G Ethernet over copper cables

LOW COST OF OWNERSHIP WITH INNOVATIVE PERMANENT LINK TESTING APPROACH

WireXpert combines the accuracy of probe-attached permanent link cords with the cost-of-ownership advantage of patch-cord based testing. The result is a permanent link testing solution that is flexible, cost effective, and accurate.

FULL FIBER CERTIFICATION FOR MM AND SM

WireXpert Fiber Adapters offer full certification testing for multi mode and single mode fiber installations. Dual wavelength end-to-end testing is supported for both SM and MM fibers. When it comes to single-ended testing, one WireXpert set can be used as two independent instruments, improving the productivity and reducing the effective cost of ownership.

BREAK-THROUGH MEASUREMENT ARCHITECTURE

WireXpert employs a novel measurement architecture that achieves extremely wide bandwidth with superior measurement accuracy. Its unique RF measurement engine exceeds level IV requirements throughout the measurement frequency range. The high speed digital synchronization and data processing block provides very fast measurement speed.

ALIEN CROSS-TALK TESTING

Alien crosstalk testing with WireXpert is performed using two WireXpert sets. This means, no special adapters and no need of carrying a laptop to the field for data analysis.

Remote and near end units are identical, reducing set-up and walking time to a minimum.

WireXpert's Interfaces

USB device connector

Audio jack for headset connection

USB host connector for flash drive; easy data storage in the field

RJ45 Ethernet for remote control

Power supply jack (12V)

Probe interface connector

Battery compartment door

Power on-off button

Touch sensitive color LCD screen

Main menu buttons

Up-down-left-right scroll buttons

Brightness control

Context sensitive Help

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Technical Specifications

Test Parameters
Supported frequency range: 1 MHz to 1600 MHz

Exceeds TIA Level IV accuracy

Supported Tests
- Attenuation (Insertion Loss)
- Near End Crosstalk (NEXT) in pair to pair and/or powersum format
- Attenuation to Crosstalk Ratio Far End (ACRF), pair to pair and/or powersum
- Return Loss and Loop Resistance
- Wiremap and shield
- Cable length, Total propagation delay and delay skew between pairs

Test Standards
- TIA -568-C.2, Category 5 through 7_A
- ISO/IEC 11801, EN 50173, Class D, E, E_A, F, F_A

Power Supply
- Removable/Rechargeable Li-Ion batteries provide about 8 hours of continuous operation.
- AC Power adapter: 100-240 V AC, plugs into the power jack on the unit

Dimensions
- Size: 9.13" x 4.96" x 3.41" (232 mm x 126 mm x 86.7 mm)
- Weight: approx. 3.0 lbs. (approx. 1.4 kg)

Memory
- More than 500 MByte (more than 2000 test results) of internal flash memory
- USB Flash Drive (1GB included, 32 GB max.), allows for flexible test record storage

Connectivity
- Probe Interface Connector
- Ethernet port, RJ-45, for remote control
- USB host and device interfaces
- Talkset interface: 3.5 mm stereo jack

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