

WIREXPERT MP FQ



MP FQ-OLTS Tier 1 Certifier for single- and multi-mode cabling

WireXpert MP is designed to meet the diverse certification needs of networking environments ranging from small/home offices to medium-sized enterprises and large-scale data centers. WireXpert MP FQ gives the ability to test 2 strands simultaneously with automatic fiber length detection and Bidirectional link loss measurements to TIA standards.

The WireXpert MP with Quad modules is an All-in-one fiber only tier 1 certifier for both multi-mode (850/1300nm) and single-mode (1310/1550nm) fiber optic cabling. For multi-mode, EF compliance out of the box ensures measurement accuracies to highest industry standards. The included broadband power meter ranges from from 800 to 1650 nm. The WireXpert MP range is packed with features that help saving time on the job. It is important to not only save a couple seconds per Autotest, but saving minutes completing all necessary steps for every link tested. MP FQ module is fitted with 2 Visual fault locators for fiber optic trouble shooting and fiber identification.

FEATURES

- WireXpert MP mainframe with quad modules containing both multimode 850/1300nm and singlemode 1310/1550nm fiber light sources
- Broadband power meter from 800 to 1650nm
- EF compliance multimode measurement out of the box ensuring measurement accuracies to highest industry standards
- Exchangeable adapters for most common connector interfaces included (LC, SC, FC)
- Two integrated red light sources with 1.25 and 2.5mm ferrules
- Guided user experience for fiber testing
- Optional video microscope for connector end-face inspection
- Test received power in FTTX application with the broadband fiber optic power meter
- Integrated project management and on-board PDF reporting*
- Camera for barcode scanning and output option for labels to a printer
- Advanced Dual Control System DCS+ for best in class ergonomics and intuitive and easy to use UI

* separate free of charge PC software also included



Parameters	Specification
WIREXPERT MP FQ	
Accuracies	IEC 14763-3, IEC 61280-4-1, IEC 61280-4-2
Standard	ISO 11801, EN50173, TIA 568.3, JIS C5150, GB 50312
Input and output connectors	SC/PC, LC/PC, optional FC/PC, ST/PC
LIGHT SOURCES	
Light Source	LED: 850 ±20 nm EF compliant, 1300 ±20 nm Fabry-Perot: 1310 ±20nm 1550 ±20nm
Output TX power (nominal) at 23°C	MM: ±24 dBm, SM: ±4 dBm
Output TX power stability	MM: ±0.05 dB over 8 hours, ±0.03 dB over 15 minutes SM: ±0.1 dB over 8 hours, ±0.08 dB over 15 minutes
POWER METER	
Power Meter	800 - 1650 nm, calibrated on 850, 1300, 1310, 1550 nm
Power Measurement Range	850 nm: 5 dBm to -65 dBm, Others: 5dBm to -70 dBm
Power Measurement Uncertainty	< ±5 % ±32 pW over 8 hours
Measurement Linearity	< ±0.1 dB over 8 hours
Max Length	MM: 12 km, SM: 130 km
Length measurement accuracy	±1.5 m plus ±1 % of link length
Units	dB, dBm, mW
VISUAL FAULT LOCATOR	
Input Connectors	1.25 mm & 2.5 mm ferrules
Output Power	>-5 dBm <0 dBm
Laser Safety	<1mW, CLASS II CDRH
GENERAL SPECIFICATIONS	
Interfaces	4x USB host, 1x USB device, 1x DC power jack, 1x 3.5 mm audio jack, 1x RJ45 Ethernet jack
Display	5.5" industrial LCD, projected capacitive touch sensitive area on both units
Camera	Single 5 MP, f/2.2, 89 degree FOV, integrated with single white LED
Sensority	Built-in accelerometer for screen orientation
Enclosure	Ruggedized plastic with rubber over-mold and rubber dust covers
Remote unit abilities	View test results, save tests, start autotest
Power supply	AC 100 - 240 V to 12 V; 3 A power adapter
Battery	7.2 V, 6.7 Ah; removable and rechargeable Li-Ion
Operating time with batteries	>8 hours continuous operation
Internal storage capacity	2500 MB or 17,000 CAT 6A Results
External storage	USB Flash Drive
Dimensions	260 mm x 120 mm x 55 mm
Weight	Approx. 1.1 kg (incl. battery)
Supported languages	EN, DE, FR, ES, IT
Calibration period	1 year
ENVIRONMENTAL	
Operating temperature	0 to 40 °C
Storage temperature	-20 to 60 °C
Relative humidity	10 % to 80 %
MINIMUM SYSTEM REQUIREMENTS FOR REPORTING SOFTWARE	
Microsoft Windows 10/11, 32 or 64bit	Intel Core i3, 2.4 GHz and higher
200 MB of free disk space	1 GB RAM
Microsoft.NET Framework 4.0	



ORDERING INFORMATION

WireXpert MP - FQ

Article number **230500**

Standard scope of delivery:

- 2 Mainframe units
- 2 Quad mode fiber optic test module units
- 2 SC interchangeable adapters for RX (In)
- 2 LC interchangeable adapters for RX (In)
- 2 SC interchangeable adapters for TX (Out)
- 2 LC interchangeable adapters for TX (Out)
- 2 Charging adapters
- 2 Headsets
- 1 Quick reference guide
- 1 Set calibration and conformity certificates
- 1 Tri-mode hardcase

Note: Cord kits and accessories excluded
Please order test reference cords separately

You can find all available modules/models of the WireXpert series as well as additional accessory offers on our website.

Find your local distributor:

itnetworks.softing.com/contact

Available here:

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