

WIREXPERT MP FQ



Certifier for single- and multimode cabling

WireXpert MP series 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. Its modular design covers all applications from copper 100 kHz to 3000 MHz up to multimode and singlemode fiber tier 1 certification.

WireXpert MP with FQ modules is an All-in-one fiber only tier 1 certifier for both multimode (850/1300 nm) and singlemode (1310/1550 nm) fiber optic cabling. For multimode, EF compliance out of the box ensures measurement accuracies to highest industry standards.

The WireXpert MP series is packed with features designed to save time at work. DocuCam™, the built-in camera with flash, makes cabling documentation easy. The LinkTrack™ mechanism provides simple link tracking by generating and scanning QR codes. The certifier also includes integrated project management and PDF reporting (separate, free PC software is also available). When connections fail, the WireXpert MP translates complex

FEATURES

- WireXpert MP mainframe with both multimode 850/1300 nm and singlemode 1310/1550 nm fiber modules
- Broadband power meter from 800 to 1650 nm
- 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 2.5 mm ferrules
- Guided user experience for fiber testing

RF measurements into easy-to-understand test results, helping users identify and troubleshoot issues.

The devices are ergonomically optimized and feature two AUTOTEST buttons for both left- and right-handed users. The Advanced Dual Control System DCS+™ provides an intuitive and more user-friendly interface. FlipTags™ allow users to change the device's assignment and use it as either a local or remote device, making it more flexible for different applications.

Quick and easy inspection and evaluation of connector end-faces are possible with an optional video microscope. In FFTx applications the received power can be measured with the broadband power meter.

WireXpert MP FQ is expandable with copper certification modules up to Cat 8 and beyond.



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 ±20 nm 1550 ±20 nm
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: 5dB m to -65 dBm, Others: 5 dBm 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	<1 mW, 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
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 64 bit	Intel Core i5, 2.4 GHz and higher
500 MB of free disk space	1 GB RAM
Microsoft.NET Framework 4.0	



ORDERING INFORMATION

WireXpert MP - FQ

Article number **230500**

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)
- 4 SC interchangeable adapters for TX (Out)
- 4 LC interchangeable adapters for TX (Out)
- 2 Charging adapters
- 2 Headsets
- 1 Quick reference guide
- 1 Set calibration and conformity certificates
- 1 Universal bag

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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