

# WIREXPERT MP FM



## Certifier for 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 FM modules** is a cost effective fiber only tier 1 certifier for multimode (850/1300 nm) fiber optic cabling. EF compliance out of the box ensures measurement accuracies to highest industry standards.

The WireXpert MP range is packed with features that help saving time on the job - e.g. a camera for barcode scanning and an optional label printer function, as well as an integrated project management and on-board PDF reporting (separate free of charge PC software also included). If links fail, WireXpert MP translates complex RF measurements into easy-to-understand test results, helping users to pinpoint and repair issues. The devices are ergonomically optimized with two AUTOTEST buttons for left- and

### FEATURES

- WireXpert MP mainframe with multimode 850/1300 nm fiber modules
- Broadband power meter from 800 to 1650 nm
- EF compliance 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 remove the need to use an adapter
- Guided user experience for fiber testing

right-handed use and the Advanced Dual Control System DCS+ provides an intuitive and easy to use UI. Flip Tags allow the user to change the identity of the device of being either a LOCAL or REMOTE unit making it more flexible for various applications.

Quick and easy inspection and evaluation of connector end-faces are possible with an optional video microscope.

WireXpert MP FM is expandable with singlemode tier 1 certification modules or copper certification modules up to Cat 8 and beyond.



| Parameters  | Specification   |
|---|---|
| <b>WIREXPERT MP FM</b>                                    |   |
| Accuracies  | IEC 14763-3, IEC 61280-4-1  |
| Standard  | ISO 11801, EN50173, TIA 568.3, JIS C5150, GB 50312  |
| Input and output connectors                               | SC/PC, LC/PC, optional FC/PC, ST/PC   |
| <b>LIGHT SOURCES</b>                                      |   |
| Light Source  | LED: 850 ±20 nm EF compliant, 1300 ±20 nm   |
| Output TX power (nominal) at 23°C                         | ≥-24 dBm  |
| Output TX power stability                                 | ±0.05 dB over 8 hours, ±0.03 dB over 15 minutes   |
| <b>POWER METER</b>  |   |
| Power Meter   | 800 - 1650 nm, calibrated on 850, 1300, 1310, 1550 nm                                     |
| Power Measurement Range                                   | <b>850 nm:</b> 5 dBm to -65 dBm, <b>130nm:</b> 5 dBm to -70 dBm                           |
| Power Measurement Uncertainty                             | < ±5 % ±32 pW over 8 hours  |
| Measurement Linearity                                     | < ±0.1 dB over 8 hours  |
| Max Length  | 12 km   |
| Length measurement accuracy                               | ±1.5 m plus ±1 % of link length   |
| Units   | dB, dBm, mW   |
| <b>VISUAL FAULT LOCATOR</b>                               |   |
| Input Connectors  | 1.25 mm & 2.5 mm ferrules   |
| Output Power  | >-5 dBm <0 dBm  |
| Laser Safety  | <1 mW, CLASS II CDRH  |
| <b>GENERAL SPECIFICATIONS</b>                             |   |
| 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  |
| <b>ENVIRONMENTAL</b>                                      |   |
| Operating temperature                                     | 0 to 40 °C  |
| Storage temperature                                       | -20 to 60 °C  |
| Relative humidity   | 10 % to 80 %  |
| <b>MINIMUM SYSTEM REQUIREMENTS FOR REPORTING SOFTWARE</b> |   |
| 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 - FM

Article number **230502**

#### Scope of delivery:

- 2 Mainframe units
- 2 Multimode 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 Softcase

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

You can find all available modules/models of the WireXpert series and other accessories on our website or contact us:

[itnetworks.softing.com/contact](http://itnetworks.softing.com/contact)

Available here:

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