# FIBER**X**PERT 700

# FiberXpert 700 – Quad MM/SM Test Kit

The FiberXpert 700 – Quad Attenuation Measurement Kit for Multimode & Singlemode enables intuitive, flexible and fast certification of fiber optic links and provides the data in a documentation.

The FiberXpert 700 Quad MM/SM Test Kit contains the tools necessary to certify fiber optic connections to a variety of common cabling standards in single-mode and multimode networks, commonly referred to in the industry as Tier 1 certification.

The calibrated measurement kit can be used to perform standardized link certification for multimode and singlemode fiber optic links and links and print official test reports directly from the PC software provided on USB stick. For testing, the user has an unlimited number of configurations for different scenarios. Automatic wave-length detection and data storage allow testing to be completed in the shortest possible time, while eliminating the risk of operator error. The measurement results can be stored directly in the internal memory (up to 10 000).

For quick distinction, the result is displayed in color directly on the LCD display as PASS/FAIL status. The kit has a rechargeable lithium polymer battery and offers an extremely long operating time.

## FEATURES

- Full-featured Tier 1 fiber link measurement
- Optical loss (attenuation) measurement
- Optical power measurement
- Continuity testing
- Patch cord test / reference fiber test
- Supports up to 7 wavelengths

SCAN ME

**IT Networks**

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## FIBERXPERT 700 OPTICAL POWER METER

| Parameters | Specification |
|---|---|
| Detector Type | InGaAs |
| Calibrated Wavelengths[1] | 850, 1300, 1310, 1550 |
| Further Wavelengths | 980, 1490, 1625 |
| Measurement Range | +5 to -70dBm |
| Accuracy | ±0.15dB |
| Display Resolution | 0.01dB |
| Battery Life | Up to 50 hours (Lithium Polymer) |
| Detector Connector Type | 2.5mm / 1.25mm universal |
| Data Storage | Up to 10 000 data points |
| Displayed Measurement Units | dBm, dB, mW, µW, nW |
| Modes of Operation | CERT, LOSS, OPM |
| Display Type | Hi-resolution Color LCD |
| Auto-shutdown | Yes |
| Operating Temperature | -10 to 55°C |
| Storage Temperature | -30 to 70°C |
| Dimensions | 2.9 x 4.49 x 1.3in (72.9 x 112.3 x 31.8mm) |
| Weight | 12oz (373g) |

**1** Calibrated wavelengths are NIST Traceable Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

## QUAD LIGHT SOURCE

| Specification | | |
|---|---|---|
| **Output Type** | **Multimode** | **Singlemode** |
| Launch Method | LED | FP Laser |
| Center Wavelength | 850nm: 850 ± 30nm<br>1300nm: ± 50nm | 1310nm: 1310 ± 20nm<br>1550nm: 1550 ± 30nm |
| Spectral Width | 850nm: 50nm<br>1300nm: 180nm | 1310 nm: 2nm<br>1550 nm: 2nm |
| Source | Class 1M | IEC 60825-1 Class 1M |
| Output Power | -20dBm | -10dBm |
| Output Modes | CW / modulated | CW / modulated |
| Initial Accuracy | ± 0.1dB | ± 0.1dB |
| Battery Life | Up to 150 hours (re-chargeable Lithium Polymer) | |
| Operating Temperature | 0 to 55°C | |
| Storage Temperature | 0 to 75°C | |
| Dimensions | 2.87 x 4.42 x 1.25in (72.9 x 112.3 x 31.8mm) | |
| Weight | 10oz (284g) | |
| Connector Type | SC | |

Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

**Supported Cabling Standards**

| TIA | 568-C.3, 568-3.D |
|---|---|
| ISO | 11801, 14763-3 |
| Ethernet | 1G, 10G, 40G, 100G |
| FTTH | Class A, Class B, Class C |
| User defined | Fixed budget, calculated budget |

### Power Meter Ports

**Universal detector port**
2.5mm adapter (SC,ST, FC)
1.25mm adapter (LC)

### Light Source Ports

**Singlemode source port**
Wavelengths: 1310/1550nm
Connector Type: SC

**Multimode source port**
Wavelengths: 850/1300nm
Connector type: SC

## ORDERING INFORMATION

| Article number | 237114 |
|---|---|

### FiberXpert 700 Quad MM/SM Test Kit

**Scope of delivery:**
- 1 optical Power Meter
- 1 quad light source
- 1 soft carrying case
- 2 protective rubber boots
- 2 USB download cables (also for battery charge)
- 1 USB flash drive containing Reporter software and product documentation
- 1 universal adapter 1.25mm ferrule
- 1 universal adapter 2.5mm ferrule
- 1 calibration certificate
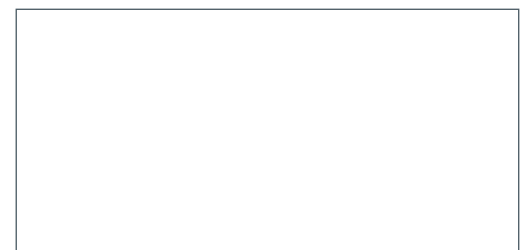- 1 quick reference guide

| Optional accessories | |
|---|---|
| **1 Mandrel** for testing MM glass fibers | **228018** |
| **Multimode SC cable kit**<br>(3 x 228060, 2 x 228061, 1 x 228018) | **228305** |
| **Multimode LC cable kit**<br>(2 x 228303, 1 x 228302, 2 x 228301, 1 x 228018) | **228306** |
| **Singlemode SC cable kit**<br>(3 x 228304, 2 x 228061) | **228307** |
| **Singlemode LC cable kit**<br>(1 x 228310, 2 x 228309, 2 x 228300) | **228308** |

You can find additional accessory offers on our website, or contact us:

**itnetworks.softing.com/contact**

For more information please contact:

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