

# 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



## FIBERXPERT 700 OPTICAL POWER METER

Parameters	Specification
Detector Type	InGaAs
Calibrated Wavelengths <sup>1</sup>	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)

<sup>1</sup> Calibrated wavelengths are NIST Traceable Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

## QUAD LIGHT SOURCE

Specification	Multimode	Singlemode
Output Type	LED	FP Laser
Launch Method	LED	FP Laser
Center Wavelength	850nm: 850 ± 30nm 1300nm: ± 50nm	1310nm: 1310 ± 20nm 1550nm: 1550 ± 30nm
Spectral Width	850nm: 50nm 1300nm: 180nm	1310 nm: 2nm 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



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

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

## HEADQUARTERS

Softing IT Networks GmbH  
Richard-Reitzner-Allee 6  
85540 Haar, Germany

+49 89 45 656 660  
info.itnetworks@softing.com  
itnetworks.softing.com



## 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

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

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

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