

CertiFiber™ Max

Loss/Length/Polarity Module

Product Specifications

General Safety Information Specifications are in the printed Safety Information document that ships with the Product and at www.fluke.com.

Specifications apply at 23 °C, unless otherwise noted. For reliable test results, send the modules to a Fluke service center every 12 months for factory calibration.

Optical Power Meter - Simplex

	Singlemode
Input Adapter	LC standard
Detector Type	InGaAs
Supported Fiber Type	Singlemode 9/125 μm
Calibrated Wavelengths	1310 nm, 1550 nm
Power Measurement	
Range	5 dBm to -45 dBm
Uncertainty ^[1]	<±0.35 dB
Linearity ^{[1],[2]}	±0.10 dB
Repeatability	±0.02 dB
<p>[1] Under the following conditions:</p> <ul style="list-style-type: none"> • For calibrated wavelengths. Power level 10 μW (-20 dBm), continuous wave (CW) for absolute power. • Divergent beam, NA = 0.20 for 50/125 μm and NA = 0.14 for 9/125 μm. • Ambient temperature 23 °C ± 3 °C. • FC/UPC connector with ceramic ferrule. • After a 15-minute warm-up. • Traceable to SI. • Based on calibration and metrology requirements. <p>[2] For the measurement range -5 dBm to -40 dBm.</p>	

Optical Power Meter - Multifiber

	Singlemode
Input Adapter	MPO12 pinned standard
Detector Type	16 InGaAs photodiodes.
Supported Fiber Type	Singlemode 9/125 μm
Calibrated Wavelengths	1310 nm, 1550 nm
Power Measurement	
Linearity ^[1]	±0.10 dB
Uniformity ^[2]	±0.1 dB
Repeatability	±0.02 dB
Loss Measurement Budget	10 dB
<p>[1] For the measurement range -12 dBm to -24 dBm range (Singlemode). All photodiodes, over the measurement range. After a 15-minute warmup.</p> <p>[2] Maximum variation between any one detector when compared to any of the other detectors.</p>	

Optical Sources - Multifiber Output

	Singlemode
Output Adapter	MPO16 APC pinned standard
Fiber Type	9/125 μm
Central Wavelengths	1310 nm ± 20 nm, 1550 nm ± 20 nm
Emitter Type	Fabry-Perot laser
Spectral Width^[1]	≤5 nm (1310 nm and 1550 nm)
Output Power^[2]	≤-12 dBm, ≥-14 dBm
Power Stability^[3]	±0.10 dB
Length Measurement	
Maximum	25 km
Uncertainty	±1 m + 1 % of length
<p>[1] RMS for Fabry-Perot lasers.</p> <p>[2] IEC 60825-2, Class I, CDRH.</p> <p>[3] At constant temperature, relative to power level after 15-minute warm up, compliant for 8 hours.</p>	

Visual Fault Locator

	Singlemode
Connector	Integrated into Output port
Total Output Power	>-5 dBm <0 dBm, continuous wave, at the end of 9/125 μm patch cord for Singlemode source
Operating Wavelength	635 nm nominal
Output Modes	Continuous, pulsed blink frequency (1 Hz)
Laser Safety	Class II CDRH