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Data Sheet

August 14, 2026

EXFO

Exfo PM-1600 800nm Fiber Optic Optical Power Meter

The Exfo PM-1600 is an 800nm fiber optic optical power meter designed for accurate measurement of optical power in fiber optic systems. It features a user-friendly interface and is suitable for field or lab use. This power meter offers reliable performance for testing and troubleshooting optical networks.



MODEL

Exfo PM-1600

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PM-1600

LISTING

<https://aumictechlabs.com/products/pm-1600-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO PM-1600 is a fiber optic optical power meter engineered for precise measurement across the near-infrared spectrum. Built around an InGaAs detector, it delivers 0.001 dB resolution with ± 0.015 dB linearity and ± 5 % absolute uncertainty, making it suitable for laboratory characterization, field commissioning, and automated test environments. The meter supports multiple fiber types from 5/125 μm to 62.5/125 μm and operates across an 800 nm to 1700 nm wavelength range. Technical Specifications Wavelength Range: 800 nm to 1700 nm Power Range: 9 dBm to -80 dBm (PM-1613/PM-1613W); 8 dBm to -70 dBm (PM-1623/PM-1623W) Power Resolution: 0.001 dB Linearity: ± 0.015 dB Absolute Uncertainty: ± 5 % Detector Type: InGaAs with optional 3 mm wide area detector (PM-16X3W) Noise (peak-to-peak): 3 pW (PM-1613/PM-1613W);

20 pW (PM-1623/PM-1623W) Measurement Units: dB, dBm, Watt Stabilization Time: 3 ms (9 dBm to -49 dBm auto gain); <1 ms (manual gain); 1 ms (fixed ranges 1-4); 6 ms (wide area detector) Sampling Rate: Up to 4096 samples/second/channel (fast acquisition); up to 256 samples/second (continuous) Output Voltage: 0 to 2.15 V (typical) Output Impedance: 640 Ω (typical) Analog Output Bandwidth: Up to 700 kHz (ranges 1-2); 30 kHz (ranges 3-4); 150 Hz (ranges 5-6) Operating Temperature: 0 °C to 40 °C Storage Temperature: -35 °C to 70 °C Relative Humidity: 0 % to 80 % non-condensing Dimensions: 11.7 cm H $\times$ 22.2 cm W $\times$ 33.3 cm D Weight: 2.8 kg Key Features Remote control via GPIB and RS-232 interfaces External TTL trigger input (0 to 5 V) with two synchronization modes Compatible with single-mode and multimode fiber (5/125 μ m to 62.5/125 μ m) High-speed acquisition supports automated test integration Compatibility & Integration Supported connector adapters include SMA 906, FC/PC/UPC/APC, ST, SC, DIN 47256, and Diamond HMS connectors with low reflection characteristics.

PM1600 Characteristics / Specifications

PARAMETER	VALUE
Detector Type Standard Models	InGaAs
Detector Size Standard	1 mm
Wavelength Range	800 to 1700 nm
Power Range Standard	9 to minus 80 dBm
Uncertainty	plus or minus 5 percent (0 dBm to minus 55 dBm)
Linearity	plus or minus 0.015 dB (0 dBm to minus 55 dBm)
Noise Peak To Peak Typical	3 pW
Power Resolution	0.001 dB (9 dBm to minus 40 dBm)
Wavelength Resolution	0.01 nm
Stabilization Automatic Full Range	12 ms (9 dBm to minus 80 dBm)
Stabilization Automatic Reduced	3 ms (9 dBm to minus 49 dBm)
Stabilization Fixed Range	1 ms
Sampling Fast Acquisition	up to 4096 samples/s/channel
Sampling Continuous Mode	up to 256 samples/s/channel
Wide Area Detector Size	3 mm
Wide Area Power Range	8 to minus 70 dBm
Wide Area Stabilization Automatic	6 ms (8 dBm to minus 70 dBm)
Fiber Type	5/125 to 62.5/125 μ m
External Trigger Input	0 to 5 V TTL
Size HxWxD	117 mm x 222 mm x 333 mm
Weight	2.8 kg
Operating Temperature	0 C to 40 C
Relative Humidity	0 percent to 80 percent non-condensing
Remote Control	GPIB and RS-232
Humidity	0 percent to 80 percent non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Humidity	0 percent to 80 percent non-condensing
Relative Humidity	0 percent to 80 percent non-condensing
Remote Control	GPIB and RS-232 Notes From EXFO PM-1100/1600 Power Meters datasheet SPPM1100/1600.3AN at 1310 nm after warm-up and offset nulling unless noted. Confirm PM-1613 vs PM-1623 channel count andWide-area option on the faceplate.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Sampling Continuous Mode	up to 256 samples/s/channel
Wide Area Detector Size	3 mm
Wide Area Power Range	8 to minus 70 dBm
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Fiber Type	5/125 to 62.5/125 um
External Trigger Input	0 to 5 V TTL
Size HxWxD	117 mm x 222 mm x 333 mm
Weight	2.8 kg
Operating Temperature	0 C to 40 C
Relative Humidity	0 percent to 80 percent non-condensing
Remote Control	GPIB and RS-232

Notes

From EXFO PM-1100/1600 Power Meters datasheet SPPM1100/1600.3AN at 1310 nm after warm-up and offset nulling unless noted. Confirm PM-1613 vs PM-1623 channel count and wide-area option on the faceplate.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.