

EXFO

PM-1100

The EXFO PM-1100 is a high-performance, single-channel benchtop optical power meter designed for absolute power, insertion loss, and stability measurements, as well as system monitoring and component characterization.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488.2), RS-232
Display	Backlit custom LCD display

Physical

Power Supply	100 V to 240 V AC, 50/60 Hz
Operating Temperature	0 °C to 40 °C °C
Dimensions (W×H×D)	213 mm × 89 mm × 356 mm mm
Weight	3.4 kg

Optical Performance & Measurement Specifications

Wavelength Range (InGaAs)	800 nm to 1650 nm
Power Range (InGaAs)	10 dBm to -75 dBm
Power Resolution	Up to 0.001 dB (selectable)
Measurement Units	dBm, dB, W, mW, μW, nW, pW
Absolute Power Uncertainty	±5% at calibrated wavelengths

Multi-Wavelength & Analysis Functions

Measurement Channels	1 (Single-channel)
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Optical Port & Fiber Compatibility

Optical Port Connector Type	FOA universal adapter interface
Fiber Compatibility	Single-mode (SM) and Multi-mode (MM) fibers

User Interface & Display

Front Panel Functions	Nulling, reference power level setting, gain scale adjustments, wavelength selection
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Connectivity & Interfaces

Analog Output Port	Rear-panel analog BNC connector
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Environmental & Warm-up

Storage Temperature Range	-40 °C to 70 °C
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Physical Characteristics & Compliance

Form Factor	Benchtop / Half-rack instrument
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Performance

Polarization Dependence	< 0.015 dB (typically 0.005 dB at 1550 nm)
Calibration Wavelengths	850 nm, 980 nm, 1310 nm, 1480 nm, 1550 nm, 1625 nm

Environmental

Operating Humidity	0% to 95% non-condensing
Warm-Up Time	0 minutes

TECHNOLOGY

Optical Power Meter

APPLICATIONS

Absolute power measurements, insertion loss testing, stability monitoring, and optical component characterization

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.