

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

EXFO

Exfo PM-1102X Optical Power Meter

The Exfo PM-1102X is a handheld optical power meter designed for accurate measurement of optical power in fiber optic systems. It features a wide dynamic range, high accuracy, and a user-friendly interface. Ideal for field technicians and lab use.



MODEL

Exfo PM-1102X

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PM-1102X

LISTING

<https://aumictechlabs.com/products/pm-1102x-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Exfo PM-1102X is a single-channel optical power meter engineered for precise measurement across fiber optic systems. It performs absolute power measurement, insertion loss testing, system monitoring, and component characterization with a handheld form factor and intuitive menu-driven interface. The instrument delivers results on a large, easy-to-read display and supports remote control and automated data acquisition via standard GPIB and RS-232 interfaces.

Technical Specifications
Detector Type: Germanium (GeX), 2 mm aperture
Wavelength Range: 750 nm to 1700 nm
Wavelength Resolution: 1 nm
Power Measurement Range: +20 dBm to -75 dBm
Power Resolution: 0.001 dB (from +20 dBm to -35 dBm)
Absolute Uncertainty: $\pm 5\%$ (± 0.2 dB at 1310 nm); add 1% uncertainty below 1000 nm and 3% above 1650 nm
Linearity: ± 0.015 dB (0 dBm to -35 dBm)
Measurement Units: dB, dBm, Watt
Key Features
Internal memory stores up to 512 manual readings or 1024 programmed readings with power level, wavelength, and offset data
Supports up to 20 preselected wavelengths and 10 user setups, each accommodating 20

wavelengths SC connector with interchangeable fiber-optic adapters available Electrical protection via fuse holderTypical Applications Absolute optical power measurement in fiber systems Insertion loss characterization Optical component testing and validation Real-time system monitoring and source stability assessmentCompatibility & Integration Remote operation is enabled through GPIB and RS-232 interfaces using standard control codes, permitting integration with PC-based test stations and automated measurement systems. Continuous monitoring and data logging capabilities support production environments and field deployment.

Features & description

From manufacturer datasheet

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Exfo PM-1102X — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Exfo PM-1102X. Calibration covers detector responsivity at 850, 1310, 1490, 1550, and 1625 nm, absolute power accuracy, linearity across the full dynamic range, and reference power level. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Common Exfo PM-1102X faults: detector contamination, damaged FC/PC input port, display failure. Common repairs include detector port cleaning or replacement, display repair, and battery or capacitor replacement in older HP/Agilent/Keysight units. [Request Calibration](#) → [Request Repair Quote](#) →

Exfo PM-1102X price

This Exfo PM-1102X is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Exfo PM-1102X calibration cost

NIST-traceable calibration for the Exfo PM-1102X is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Calibration for this instrument covers detector responsivity at 850, 1310, 1490, 1550, and 1625 nm, absolute power accuracy, linearity across the full dynamic range, and reference power level. Turnaround is 1 to 3 business days after receipt. See full calibration details →

Applications

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Unit notes

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- SC connector with interchangeable fiber-optic adapters available
- Electrical protection via fuse holder

Typical Applications

Absolute optical power measurement in fiber systems Insertion loss characterization Optical component testing and validation Real-time system monitoring and source stability assessment

Compatibility & Integration

Remote operation is enabled through GPIB and RS-232 interfaces

PM-1102X Specifications

PARAMETER	VALUE
Power Range (dBm)	+20 dBm to -75 dBm Wavelength Range: 750 nm to 1700 nm

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.

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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

788 S 500 E, Pleasant Grove, UT 84062
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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.