

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FPM-300 830nm Fiber Optic Optical Power Meter

The Exfo FPM-300 is an 830nm optical power meter designed for testing and troubleshooting fiber optic networks. It accurately measures optical power levels, ensuring optimal network performance. Ideal for field technicians and network engineers.



MODEL

Exfo FPM-300

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FPM-300

LISTING

<https://aumictechlabs.com/products/fpm-300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FPM-300 is a handheld optical power meter engineered for field measurement and troubleshooting in fiber optic networks. This 830 nm-calibrated variant delivers precise power level measurements across multiple wavelengths, making it essential for FTTx deployments, PON testing, and general network diagnostics. Built for field technicians and network engineers, it combines high measurement accuracy with automated wavelength recognition and encrypted referencing protocols to minimize errors and reduce on-site setup time. Technical Specifications Measurement Range & Accuracy Power range: 10 dBm to -60 dBm (FPM-302) or 26 dBm to -50 dBm (FPM-302X) Displayed range: Down to -65 dBm (FPM-302) or -50 dBm (FPM-302X) Power uncertainty: $\pm 5\% \pm 0.1 \text{ nW}$ (FPM-302) or $\pm 5\% \pm 10 \text{ nW}$ (FPM-302X) Resolution: 0.01 dB Screen refresh rate: 3 Hz Wavelength Support Calibrated wavelengths: 830 nm, 850 nm, 980 nm, 1300

nm, 1310 nm, 1450 nm, 1490 nm, 1550 nm, 1590 nm, 1625 nm (10 standard calibrations) Display units: dB, dBm, W Tone detection: 270 Hz, 1 kHz, 2 kHz Power & Environmental Power source: AC adapter or three AA batteries Battery life: Up to 300 hours Operating temperature: -10 °C to 50 °C Storage temperature: -40 °C to 70 °C Relative humidity: 0% to 95% non-condensing Dimensions: 185 mm × 100 mm × 55 mm Weight: 0.4 kg Key Features Automatic wavelength recognition via encrypted digital protocol when paired with EXFO FLS-300 Light Source or FOT-300 Optical Loss Test Set Distant referencing using signal encryption for remote power reference transmission Automatic offset nulling to eliminate manual calibration under normal operation FTTx-ready with PON support at ITU-T G.983.3 recommended wavelengths (1310 nm, 1490 nm, 1550 nm) Typical Applications Passive Optical Network (PON) commissioning and troubleshooting Fiber-to-the-premises (FTTx) deployment verification Optical loss and power level measurement in multi-wavelength networks Field diagnostic testing across telecommunications infrastructure Compatibility & Integration Works with EXFO's FLS-300 Light Source and FOT-300 Optical Loss Test Set for coordinated automated measurements. Includes user guide, calibration certificate, AC adapter, batteries, wrist strap, carrying case, and connector adapter (FOA-XX).

FPM300 Characteristics / Specifications

PARAMETER	VALUE
Calibrated Wavelengths	10
Calibrated Wavelength List	830, 850, 980, 1300, 1310, 1450, 1490, 1550, 1590, 1625 nm
Tone Detection	270 Hz, 1 kHz, 2 kHz
Screen Refresh Rate	3 Hz
Battery Life Typical	greater than 300 hours
Size HxWxD	185 × 100 × 55 mm
Weight	0.4 kg (0.9 lb)
Operating Temperature	-10 C to 50 C
Storage Temperature	-40 C to 70 C
Relative Humidity	0% to 95% non-condensing
Recalibration Interval	3 years recommended
Display Units	dB, dBm, W
Humidity	0% to 95% non-condensing

FPM300 Specifications

PARAMETER	VALUE
Key Features	10 calibrated wavelengths including PON triad
Distant referencing via encrypted protocol	Tone detection at 270 Hz, 1 kHz, and 2 kHz
Technical Specifications	FPM-302 Detector: Ge

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to 70 C
Operating temperature	10 C to 50 C
Operating Temperature	10 C to 50 C
Humidity	0% to 95% non-condensing
Relative Humidity	0% to 95% non-condensing
Recalibration Interval	3 years recommended
Display Units	dB, dBm, W Notes From EXFO FPM-300 Power Meter specification sheet. All optical specs valid at 1550 nm and 23 C +/-1 C with FC connector unless noted; FPM-302X uncertainty traceable to NIST up to 20 dBm.

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

FPM-302 Detector: Ge

FPM-302 Power Range: 10 to -60 dBm

FPM-302 Displayed Range: down to -65 dBm

FPM-302X Detector: GeX

FPM-302X Power Range: 26 to -50 dBm

FPM-302X Displayed Range: down to -50 dBm

Calibrated Wavelengths: 10

Calibrated Wavelength List: 830, 850, 980, 1300, 1310, 1450, 1490, 1550, 1590, 1625 nm

Power Uncertainty FPM-302: +/-5% +/-1 nW

Power Uncertainty FPM-302X: +/-5% +/-10 nW

Resolution FPM-302: 0.01 dB (10 to -50 dBm)

Resolution FPM-302X: 0.01 dB (26 to -35 dBm)

Specifications

PARAMETER	VALUE
Tone Detection	270 Hz, 1 kHz, 2 kHz
Screen Refresh Rate	3 Hz
Battery Life Typical	greater than 300 hours
Size HxWxD	185 x 100 x 55 mm
Weight	0.4 kg (0.9 lb)
Operating Temperature	-10 C to 50 C
Storage Temperature	-40 C to 70 C
Relative Humidity	0% to 95% non-condensing
Recalibration Interval	3 years recommended
Display Units	dB, dBm, W

Notes

From EXFO FPM-300 Power Meter specification sheet. All optical specs valid at 1550 nm and 23 C +/-1 C with FC connector unless noted; FPM-302X uncertainty traceable to NIST up to 20 dBm.

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
sales@aumictech.com · +1 (484) 841-9341
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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.