

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FPM-602 800nm Fiber Optic Optical Power Meter

The Exfo FPM-602 is an 800nm fiber optic optical power meter designed for accurate measurement of optical power in fiber optic systems. It is ideal for testing and troubleshooting optical networks, ensuring optimal performance and reliability.



MODEL

Exfo FPM-602

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FPM-602

LISTING

<https://aumictechlabs.com/products/fpm-602-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FPM-602 is a handheld optical power meter engineered for precise measurement and characterization of fiber optic networks operating across the near-infrared spectrum. Built around a germanium detector, it delivers traceable power measurements from -70 to $+10$ dBm with $\pm 5\%$ ± 0.1 nW uncertainty and 0.01 dB resolution. The instrument recognizes over 40 calibrated wavelengths spanning 800 to 1650 nm, including critical bands at 850 nm, 1310 nm, 1550 nm, and 1650 nm, eliminating manual wavelength entry and reducing measurement error. Technical Specifications Optical Performance Measurement range: -70 to $+10$ dBm Wavelength range: 800 to 1650 nm Power uncertainty: $\pm 5\%$ ± 0.1 nW Resolution: 0.01 dB Variation at power levels ≥ -40 dBm: ≤ 0.06 dB Detector type: Germanium (Ge) Port connector: 2.5 mm SC Physical & Environmental Dimensions: 190 mm $\times$ 100 mm $\times$ 62 mm Weight: 480 g Operating temperature: -10

to 50°C Storage temperature: -40 to 70°C Relative humidity: 0 to 95% (non-condensing) Power source: Rechargeable lithium-ion battery Key Features Auto-wavelength recognition across 40+ calibrated points Auto offset nulling for zero reference Hold Min/Max power function for transient capture 1000-item data memory with USB export to PC User-configurable pass/fail thresholds with LED indication Keypad and LCD backlight for low-light field work Auto-off function to extend battery runtime Measurement units: dB, dBm, Watt Typical Applications The FPM-602 serves LAN, CWDM, DWDM, and PON architectures. FTTx deployment validation leverages native support at 1310 nm, 1490 nm, and 1550 nm. Field technicians and laboratory engineers use it for link characterization, power budget verification, and optical component testing. Compatibility & Integration Pairs with the EXFO FLS-600 light source for auto-switching measurement mode. Supplied with USB cable for data transfer, AC adapter, shoulder strap, carrying case, calibration certificate, and multilingual documentation.

FPM602 Characteristics / Specifications

PARAMETER	VALUE
Model	FPM-602
Detector	Ge
Power Range	10 to minus 70 dBm
Power Uncertainty	plus or minus 5 percent plus or minus 0.1 nW
Resolution	plus or minus 0.01 dB from 10 dBm to minus 60 dBm
Calibrated Wavelength Count Class	over 40 including CWDM grid
Calibrated Wavelength Examples	850 980 1310 1490 1550 1625 1650 nm
Auto Switching Wavelengths	850 1300 1310 1490 1550 1650 nm
Size HxWxD	190 mm x 100 mm x 55 mm
Weight With Battery	0.48 kg
Operating Temperature	minus 10 C to 50 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Wavelength Range	800 to 1650 nm
Tone Detection	270 Hz 1 kHz 2 kHz
Display Units	dB dBmWData Storage: more than 1000 items
Battery Life Typical	72 hours
Warranty Recalibration Interval	3 years
Automatic Offset Nulling	Yes
Warm Up Period For Spec	0 min
Spec Conditions	1550 nm 23 C plus or minus 1 C FC connector
Humidity	0 percent to 95 percent non-condensing

FPM602 Specifications

PARAMETER	VALUE
Key Features	Ge detector with over 40 calibrated wavelengths
Hold Min/Max power function	Auto-switching with FLS-600
Technical Specifications	Model: FPM-602

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 70 C
Operating temperature	minus 10 C to 50 C
Operating Temperature	minus 10 C to 50 C
Humidity	0 percent to 95 percent non-condensing
Relative Humidity	0 percent to 95 percent non-condensing
Wavelength Range	800 to 1650 nm
Tone Detection	270 Hz 1 kHz 2 kHz
Display Units	dB dBmWData Storage: more than 1000 items
Battery Life Typical	72 hours
Warranty Recalibration Interval	3 years
Automatic Offset Nulling	Yes
Warm Up Period For Spec	0 min
Spec Conditions	1550 nm 23 C plus or minus 1 C FC connector Notes From EXFO FPM-600 Power Meter datasheet SPFPM600.6AN FPM-602 column. Uncertainty for calibrated wavelengths; sensitivity defined as 6 x rms noise in CW mode.

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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Model	FPM-602
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PARAMETER	VALUE
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Notes

From EXFO FPM-600 Power Meter datasheet SPFPM600.6AN FPM-602 column. Uncertainty for calibrated wavelengths; sensitivity defined as $6 \times \text{rms noise}$ in CW mode.

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
<https://aumictechlabs.com>

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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.