

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FPM-602X 800nm Fiber Optic Optical Power Meter

Exfo Optical Power Meters. Accuracy: ** ≤ 0.06 dB typical at power ≥ -25 dBm, Resolution: ** 0.01 dB.



MODEL

Exfo FPM-602X

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FPM-602X

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FPM-602X is a handheld optical power meter for precision measurement of optical signal power across fiber optic networks. Optimized for the 800 nm wavelength and equipped with a high-power Ge detector, this instrument delivers accurate power analysis from +26 dBm to -55 dBm. It supports over 40 calibrated wavelengths spanning 800 nm to 1650 nm, including critical PON wavelengths at 1310 nm, 1490 nm, and 1550 nm compliant with ITU-T G.983 and G.984 standards. The meter features 0.01 dB resolution, user-configurable pass/fail thresholds with LED indication, and automatic wavelength recognition when paired with compatible sources. Built for field deployment, the FPM-602X includes tone detection at 270 Hz, 1 kHz, and 2 kHz; offset nulling for temperature and humidity compensation; and Min/Max power capture for burst analysis. A 1000-item data memory enables on-site logging with USB export capability. Operating on a rechargeable battery with 72-hour typical runtime and auto-shutoff, the meter measures 190

mm × 100 mm × 55 mm and weighs 480 g, supporting FC and SC connectors with optional adaptors. Technical Specifications Measurement Range: +26 dBm to -55 dBm Wavelength Range: 800 nm to 1650 nm Calibrated Wavelengths: Over 40 points including 800 nm, 850 nm, 1310 nm, 1490 nm, 1550 nm, 1650 nm; user-defined via interpolation Detector: High-power Ge detector Accuracy: ≤0.06 dB typical at power ≥ -25 dBm; ±5% ± 0.1 nW (reference conditions: 1550 nm, 23 °C ± 1 °C, FC connector) Resolution: 0.01 dB Measurement Units: dB, dBm, Watt Tone Detection: 270 Hz, 1 kHz, 2 kHz Data Storage: 1000 items Battery Life: Typical 72 hours Dimensions: 190 mm × 100 mm × 55 mm Weight: 480 g Key Features Automatic wavelength recognition with compatible light sources Offset nulling with automatic temperature and humidity correction User-configurable pass/fail thresholds with green/red LED verdict indication Min/Max power function for transient measurement LCD display with keypad and backlight USB data transfer to PC Auto-off function Typical Applications Passive optical network (PON) testing and qualification DWDM and CWDM system commissioning and troubleshooting Field signal power analysis and network verification Compatibility & Integration Connectors: FC, SC with optional adaptors Data Interface: USB (Type-A to USB-MiniB) Standards Compliance: ITU-T G.983 and G.984 for PON wavelengths

FPM602X Characteristics / Specifications

PARAMETER	VALUE
Model	FPM-602X
Detector	GeX
Power Range	26 to minus 55 dBm
Power Uncertainty	plus or minus 5 percent plus or minus 3 nW
Uncertainty Valid Up To	20 dBm
Resolution	plus or minus 0.01 dB from 26 dBm to minus 45 dBm
Calibrated Wavelengths Extra	1060 nm plus FPM-602 grid
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

FPM602X Specifications

PARAMETER	VALUE
Key Features	GeX detector to plus 26 dBm class
Over 40 calibrated wavelengths plus 1060 nm	Hold Min/Max power function
Technical Specifications	Model: FPM-602X
Notes	From EXFO FPM-600 Power Meter datasheet SPFPM600.6AN FPM-602X column. Offset nulling applies for power greater than minus 25 dBm on GeX.

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-602X column. Offset nulling applies for power greater than minus 25 dBm on GeX.

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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PARAMETER	VALUE
Model	FPM-602X
Detector	GeX
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Power Uncertainty	plus or minus 5 percent plus or minus 3 nW
Uncertainty Valid Up To	20 dBm
Resolution	plus or minus 0.01 dB from 26 dBm to minus 45 dBm
Calibrated Wavelengths Extra	1060 nm plus FPM-602 grid
Auto Switching Wavelengths	850 1300 1310 1490 1550 1650 nm
Size HxWxD	190 mm x 100 mm x 55 mm
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Tone Detection	270 Hz 1 kHz 2 kHz
Display Units	dB dBmWData Storage: more than 1000 items
Battery Life Typical	72 hours
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Specifications	
PARAMETER	VALUE
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-602X column. Offset nulling applies for power greater than minus 25 dBm on GeX.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.