

# EXFO FPM-600 Power Meter

## PRODUCT DETAILS

The FPM-600 is a very powerful tool for the most demanding applications such as high-speed DWDM or CWDM network qualification. With more than 40 calibrated wavelengths, including all CWDM wavelengths, it allows for user-defined measurement wavelengths, using the interpolation method between calibrated points.

Use its Hold Min/Max Power function to measure system power burst or fluctuations. When used in combination with a FLS-600 Light Source in Auto-Switching mode, the power meter automatically recognises the wavelength in use and switches to the proper calibration parameter. At the press of a button, you can store results for all wavelengths at once.

The FPM-600 allows for the testing of passive optical networks (PONs) at 1310nm, 1490nm and 1550nm, the three wavelengths recommended by the ITU-T (G.983.3) for PONs.

Like all EXFO portable instruments the FPM-600 is built for ruggedness and perfect for the harshest test conditions. Features also include a backlit keypad/LCD and a rechargeable battery life of up to 72 hours.



## SPECIFICATIONS

MODEL	EXF-FPM-602	EXF-FPM-602X
Detector	Ge	GeX
Power Range (dBm)	10 to -70	26 to -55
Wavelength Range (nm)	800 to 1650	
Power Uncertainty	$\pm 5\% \pm 0.1\text{nW}$	$\pm 5\% \pm 3\text{nW}$
Resolution (dB)	$\pm 0.01$ (10dBm to -60dBm)	$\pm 0.01$ (26dBm to -45dBm)
Display Units	dB, dBm, W	
Tone Detection	270Hz, 1kHz, 2kHz	
Data Storage (Items)	More than 1000	
Battery Life (Hours Typical)	72	
Warranty and Recommended Calibration Interval (Years)	3	
Size (HxWxD)	190Hmm x 100Wmm x 55Dmm (7 <sup>1/2</sup> in x 4in x 2 <sup>1/4</sup> in)	
Weight	0.48kg (1.1lb)	
Temperature	Operating: -10°C to 50°C (14°F to 122°F), Storage: -40°C to 70°C (-40°F to 158°F)	
Relative Humidity	0% to 95% non-condensing	



## FEATURES AND BENEFITS

- Pre-calibrated wavelengths from 800nm to 1650nm (GE has 44, GEX has 45)
- Rugged and versatile
- Automatically detects wavelength when used with FLS-600
- Tone Detection of 270Hz, 1kHz, 2kHz
- User-configurable pass/fail thresholds with LED indicator
- Memory capacity of more than 1000 data items
- Data transfer to a PC via USB
- Supplied with calibration certificate, AC adapter and carry case
- Includes rechargeable lithium ion battery - typical 72hr runtime
- Features a backlit keypad/LCD, for easy operation in darker environments

## ORDERING INFORMATION

Product Code	Product Code	Connector
GE Detector	High-Power GE Detector	Interface
EXF-FPM602-FC	EXF-FPM602X-FC	FC/FCA
EXF-FPM602-LC	EXF-FPM602X-LC	LC
EXF-FPM602-SC	EXF-FPM602X-SC	SC/SCA
EXF-FPM602-ST	EXF-FPM602X-ST	ST

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