600
IIIII NETWORK TESTING

POWER METER IIII
FPM-600

- High accuracy, wide dynamic range and high power measurement capability (up to 26 dBm)

- Memory capacity of 1000 data items; enables data transfer to a PC via USB connection

- User-configurable pass/fail thresholds with LED indicator

- Over 40 calibrated wavelengths, and Hold Min/Max Power function

- Error-free, time-saving test features: automatic wavelength recognition, no offset nulling, and compatibility with 300 series, FOT-930 MaxTester and FTB-3930 units

- Visual fault locator (VFL) option for quick and easy troubleshooting

- Low cost of ownership: three-year warranty and recommended calibration interval

Part of EXFO's 600 handheld series, which includes the FOT-600 Optical Loss Test Set and the FLS-600 Light Source, the highly versatile FPM-600 Power Meter is designed for link and system qualification. Its green/red LED indicator gives you a pass or fail test verdict according to the thresholds you have defined, for faster and easier field operation.

Thanks to its memory capacity of 1000 data items and its converter software, the FPM-600 facilitates data management and enables data transfer to a PC via USB connection.

Suited for All Network Types
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, 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.

FTTx Ready
EXFO's FPM-600 allows for the testing of passive optical networks (PONs) at 1310 nm, 1490 nm and 1550 nm, the three wavelengths recommended by the ITU-T (G.983.3) for PONs.

Rugged and Versatile
Like all EXFO portable instruments, the FPM-600 is built for top ruggedness and versatility, perfect for the harshest test conditions. It features a keypad/LCD backlight, for easy operation in darker environments. What's more, it is powered by a rechargeable battery.

FTTx
TEST SOLUTIONS

EXFO
EXPERTISE REACHING OUT

Power Meter

SPECIFICATIONS[1]

Model	FPM-602	FPM-602X
Detector[2]	Ge	GeX
Power range (dBm)[3]	10 to –70	26 to –55
Wavelength range (nm)	800 to 1650	800 to 1650
Number of calibrated wavelengths	40	40
Power uncertainty (%)[4]	± 5 ± 1 nw	± 5 ± 10 nw
Automatic offset nulling[5]	Yes	Yes
Display units	dB, dBm, W	dB, dBm, W
Automatic wavelength recognition[6]	Yes	Yes
Warm-up period (min)[7]	0	0
Data storage (items)	up to 1000	up to 1000
Warranty and recommended recalibration interval (years)	3	3

VFL[8]		
Emitter type	Laser	Laser
Wavelength (nm)	650	650
Output power (dBm)	3	3

General Specifications

Size (H x W x D)	19.0 cm x 10.0 cm x 6.2 cm	(7 ¹/₂ in x 4 in x 2 ¹/₂ in)
Weight	0.48 kg	(1.1 lb)
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	

Standard Accessories

User guide, Certificate of Calibration, instrument stickers in six languages, AC adapter/charger, lithium ion battery, shoulder strap, soft carrying case, USB cable.

Safety

CLASS 3R LASER PRODUCT FOR VEFL OPTION

Notes

1. Guaranteed unless otherwise specified.
2. All specifications valid at 1550 nm and 23 °C ± 1 °C, with an FC connector.
3. In CW mode; sensitivity defined as 6 x rms noise level.
4. For calibrated wavelengths. Valid up to 20 dBm for FPM-602X.
5. For power > –40 dBm for FPM-602, and > –25 dBm for FPM-602X.
6. At 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm and 1650 nm; for power > –50 dBm for FPM-602 and > –40 dBm (typical) for FPM-602X.
7. For variation ≤ 0.06 dB at 23 °C ± 1 °C; at power levels ≥ –40 dBm for FPM-602 and ≥ –25 dBm for FPM-602X.
8. Typical values in 62.5/125 µm fiber.

ORDERING INFORMATION

FPM-60X-XX-XX

Model
FPM-602 = Ge detector
FPM-602X = High-power Ge detector

Example: FPM-602X-FOA-22-VFL

Connector Adapter
FOA-12 = Biconic
FOA-14 = D4, D4/PC
FOA-16 = SMA/905, SMA/906
FOA-22 = FC (PC/SPC/UPC/APC), NEC-D3
FOA-24 = Radiall VFO/DF (straight/slant)
FOA-28 = DIN 47256 (LSA): DIN 47256 (PC/APC)
FOA-32 = ST (PC/SPC/UPC)
FOA-34 = Mini-BNC
FOA-40 = Diamond HMS-OHFS-3 (3.5 mm)
FOA-42 = Radiall PFO
FOA-44 = Radiall MFO

FOA-48 = HP HFBR-4501-HFBR-4503
FOA-52 = Biconic Bayonet
FOA-54 = SC (PC/SPC/UPC/APC)
FOA-68 = AT&T Rotary Splice
FOA-76 = FSMA HMS-10/AG, HFS-10/AG
FOA-78 = Radiall EC
FOA-84 = Diamond HMS-10, HFS-13
FOA-96B = E-2000
FOA-98 = LC
FOA-99 = MU

Visual Fault Locator
00 = Without visual fault locator
VFL = With visual fault locator (Universal 2.5 mm connector)

Rugged Handheld Solutions
- OLTS
- Power meter
- Light source
- Talk set

Optical Fiber
- OTDR
- OLTS
- ORL meter
- Switch

DWDM Test Systems
- OSA
- PMD analyzer
- Chromatic dispersion analyzer
- Multiwavelength meter

Transport/Datacom
- 10/100 and Gigabit Ethernet
- SONET/SDH (DS0 to OC-192c)
- SDH/PDH (64 kb/s to STM-64c)
- SAN

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