

FPM-600-NS2689

DWDM POWER METER



This highly versatile power meter is designed for link and system qualification.

KEY FEATURES

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

Over 40 calibrated wavelengths, and hold Min/Max power function

Preloaded DWDM channels ITU12 to ITU62

Memory capacity of 800 data items

User-configurable pass/fail thresholds with LED indicator

Rechargeable batteries

Error-free, time-saving test features: automatic wavelength switching, no offset nulling

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

SUITED FOR ALL NETWORK TYPES

Powerful tool for the most demanding applications such as high-speed DWDM or CWDM network qualification.

With more than 40 calibrated wavelengths, including CWDM and DWDM range, 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.

ERROR-FREE, TIME SAVING TEST FEATURES

When used in combination with a FLS-600 Light Source in auto-switching mode, the power meter automatically recognizes 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.

RUGGED AND VERSATILE

Like all EXFO portable instruments, the power meter 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.

SPECIFICATIONS ^a	
Detector	GeX
Power range (dBm) ^b	26 to -55
Wavelength range (nm)	800 to 1650
Calibrated wavelengths (nm)	800, 820, 830, 840, 850, 860, 870, 880, 910, 980, 1060, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1370, 1390, 1410, 1430, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650
Power uncertainty ^c	±5 % ± 3 nW
Preloaded wavelengths	DWDM channels from ITU12 to ITU62
Resolution (dB)	±0.01 (26 dBm to -45 dBm)
Automatic offset nulling ^d	Yes
Display units	dB, dBm, W
Tone detection	270 Hz, 1 kHz and 2 kHz
Auto-switching ^e	Yes
Warm-up period (min) ^f	0
Data storage (items)	More than 1000
Battery life (hours) (typical)	72
Warranty and recommended recalibration interval (years)	3

Notes

- a. Guaranteed unless otherwise specified. All specifications valid at 1550 nm and 23 °C ± 1 °C, with an FC connector.
- b. In CW mode; sensitivity defined as 6 x rms noise level.
- c. For calibrated wavelengths. Valid up to 20 dBm.
- d. For power > -25 dBm.
- e. At 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm and 1650 nm; for power > -40 dBm (typical).
- f. For a variation of ≤ 0.06 dB at power levels ≥ -25 dBm.

STANDARD ACCESSORIES

User guide, certificate of calibration, instrument stickers in six languages, AC adapter/charger, Li-ion battery, shoulder strap, carrying case, USB cable.

GENERAL SPECIFICATIONS

Size (H x W x D)	190 mm x 100 mm x 55 mm (7 ½ in x 4 in x 2 ⅛ in)
Weight (with battery)	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 % noncondensing

LASER SAFETY



ORDERING INFORMATION

FPM-60X-XX

Model

FPM-602X-NS2689 = DWDM power meter with high-power Ge detector

Connector adapter

FOA-12 = Biconic
FOA-14 = D4, D4: PC
FOA-16 = SMA/905, SMA-906
FOA-22 = FC/PC, FC/SPC, FC/UPC, FC/APC, NEC-D3
FOA-28 = DIN 47256 (LSA), DIN 47256 (PC/APC)
FOA-32 = ST/PC, ST/SPC, ST/UPC
FOA-40 = Diamond HMS-0HFS-3 (3.5 mm)
FOA-54 = SC/PC, SC/SPC, SC/UPC, SC/APC
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

Example: FPM-602X-NS2689-FOA-22

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