FREE 24-hour Tech Support: 724-746-5500
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Power Meters

Choose your power level: basic for occasional testing all the way up to a combo power meter/light source for advanced field testing.

FEATURES

- Four models available for occasional testing all the way to advanced field testing.
- Identify optical fiber strands, measure optical attenuation, verify continuity, and test transmission quality.
- Auto wavelength recognition on Deluxe models automatically uses the proper calibration parameters and decreases the potential for errors.
- Work at six wavelengths.
- Models with memory enable you to store up to 999 items and transfer data to a PC.
- Use with our fiber Light Sources to measure optical loss.

FOPM-100

OVERVIEW

Basic Optical Power Meter

- Use to identify optical fiber strands, measure optical attenuation, verify continuity, and test transmission quality.
- This basic power meter is ideal for data centers, labs, and occasional fiber testing.
- Works at six wavelengths: 850, 1300, 1310, 1490, 1550, and 1625 nm.
- Referencing function helps ensure efficiency, even when two units are far apart.
- An auto-off feature saves battery power.
- Includes a rechargeable lithium ion battery and an AC adapter.
- LCD backlight enables you to work in the dark.
- Features a linear and logarithmic power display.
- Includes FC/PC, SC/PC, and ST/PC connectors.

Deluxe Optical Power Meter

- Get all the features of the Basic model, plus:
- Auto wavelength recognition automatically uses the proper calibration parameters and decreases the potential for errors.
- Ideal for testing transmission quality in LANs, WANs, telecommunications networks, and other long-distance applications.

Deluxe Optical Power Meter with Memory

- Get all the features of the Deluxe model, plus:
- Has a data storage capacity of 999 items.
- Transfer data to a PC via a USB connection. With the included software, data can be saved as an Excel® file or plain text.

Deluxe Optical Power Meter with Memory and Light Source

- Get a power meter and 3-wavelength infrared laser light source in one.
- This compact combo for fiber installation and maintenance is easy to use and lightweight.
- 2-in-1 unit is ideal for one tech to test cables and data center links.
- Auto wavelength recognition automatically uses the proper calibration parameters and decreases the potential for errors.
- Boasts a large data storage capacity of 999 items.
- Convenient for field testing and later transferring the results to a PC.
- Includes software and a USB interface.
- Interchangeable connectors available for both power meter and laser source.

TECH SPECS FOR FOPM-100, -200, -210

Auto Power Off — Yes
Accuracy* — FOPM-100: ±0.35 dB ±10 nW;
FOPM-200, FOPM-210: ±5% ±1 nW
Backlight — Yes
Calibrated Wavelength — 850, 1300, 1310, 1490, 1550, 1625 nm
Detector Type — InGaAs
Frequency — 270 Hz, 1 kHz, 2 kHz
Measuring Range — FOPM-100: -60 to +3 dBm;
FOPM-200, FOPM-210: -70 to +10 dBm
Reference Value — Yes
Resolution — FOPM-100: 0.01 dB;
FOPM-200: 0.01 dB@ -60 to +10 dBm; 0.1 dB @ -70 to -60 dBm;
FOPM-210: 0.01 dB
Temperature — Operating: +4 to +122° F (-10 to +50° C);
Storage: -4 to +158° F (-20 to +70° C)
Connectors — All: FC/PC (SC/PC, ST/PC interchangeable connector;
FOPM-210: USB
Power Supply — FOPM-100: (1) lithium ion battery, AC adapter;
FOPM-200, FOPM-210: (2) 1.2-V Ni-MH batteries, AC adapter
Size — FOPM-100: 1.2"H x 2.4"W x 4.5"D (3 x 6.2 x 11.5 cm);
FOPM-200: 4.6"H x 3"W x 1.8"D (11.6 x 7.6 x 4.5 cm);
FOPM-210: 6.3"H x 3"W x 1.8"D (16 x 7.6 x 4.5 cm)
Weight — FOPM-100: 3.1 lb. (1.4 kg);
FOPM-200, FOPM -210: 0.6 lb. (0.3 kg)

*Valid at 1550 nm, CW, 23° C ± 3° C; Relative humidity equal to 70%, with an FC connector.

TECH SPECS FOR FOMM-200

Accuracy — ±5% ± 1 nW
Auto Power Off — Yes
Backlight — Yes
Calibrated Wavelength — 850, 1300, 1310, 1490, 1550, 1625 nm
Display Precision — 0.01
Display Units — dB, dBm, mW, µW
Laser Source Calibrated Wavelength — 1310, 1490, 1550 nm
Measuring Range (dBm) — -70 to +10 dBm
Output Power — -5 dBm ± 0.5 dB
Output Stability* —
Short term (15 minutes): 1310/1550 nm: ±0.05 dB; 1490 nm: ± 0.1 dB;
Long term (8 hours): 1310/1550 nm: ± 0.1 dB; 1490 nm: ± 0.1 dB
Reference Value — Yes
Temperature — Operating: +4 to +122° F (-10 to +50° C);
Storage: -4 to +158° F (-20 to +70° C)
Tone Detection — 270 Hz, 1 kHz, 2 kHz (input power ≥ -40 dBm)
Wavelength Recognition — 1310, 1490, 1550 nm (input power ≥ -40 dBm)
Modulated Frequencies — 270 Hz, 1 kHz, 2 kHz
Connectors — Interchangeable FC/SC/ST for PC/APC
Power Supply — (2) 1.2-V Ni-MH batteries, AC adapter
Size — 6.6"H x 3"W x 1.7"L (16.8 x 7.6 x 4.3 cm)
Weight — 0.6 lb. (0.3 kg)

*Valid at 1550 nm, CW, 23° C ± 3° C; Relative humidity equal to 70%, with an FC connector.

Item		Code
Optical Power Meters		
Basic		**FOPM-100**
Deluxe		**FOPM-200**
Deluxe with Memory		**FOPM-210**
Deluxe with Memory and Light Source		**FOMM-200**
You may also need...		
Single-Channel Optical Tap, 50/50 Split Ratio		
Multimode	50-µm	**TS243A**
	62.5-µm	**TS240A-R2**
Single-Mode	9-µm	**TS244A**
10 GB Optical Tap, 50/50 Split Ratio		
Multimode	50-µm	**TS245A**
Single-Mode	9-µm	**TS246A**
Rackmount Bracket, 19", 1U		**TS253**

*For more information on Fiber and Copper Taps, see **blackbox.com.***