

AF-OM100 Series Power Meters

Product: OM100 Series

Date: Aug:2007

Rev: 01

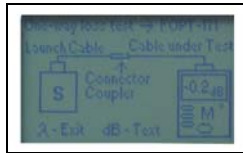
Description

All of the Advanced Fiber Solutions power meters are the perfect tools for measuring optical power, loss (attenuation) and optical return loss in any system, it is just a matter of picking the right instrument for the application. All meters are calibrated at industry standard wavelengths (NIST traceable) for both single-mode and multimode transmitters. All detectors are potted in a threaded housing for versatility allowing the user to interchange adapters for numerous connector types. The OM100 series meters are a low cost series of power meters for the technician who wants a high performance meter. All power meters now come with protective rubber boot.

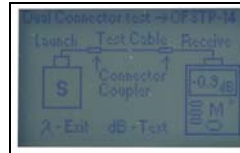


Highlighted Feature: All our power meters features an on screen testing procedure guide field for quick reference making testing a breeze!

On Screen Testing Procedure Guides



One Way Loss Test



Two way loss testing guide

Kit Highlights and Key Features

| | |
|---|--|
| ◦ Compact light weight carrying case | ◦ On screen testing procedure guides |
| ◦ 650nm, 790nm, 850nm, 1300nm, 1310nm & 1550nm | ◦ Meter calibration certificate included |
| ◦ dBm (absolute) + dB (relative) measurement | ◦ Display back light |
| ◦ Graphical display with testing guide | ◦ Auto power off |
| ◦ Zero reference with dBm value displayed | ◦ N.I.S.T. traceable |
| ◦ Optional: 2mm and 3mm Ger detector available for larger core applications | |

Technical Specifications



| Optical Specification | AF-OM110 | AF-OM120 | AF-OM130 |
|----------------------------|--|---|-------------------------------------|
| Calibrated Wavelengths | 650nm, 790nm & 850nm | 850nm,1300nm, 1310nm & 1550nm | 1310nm & 1550nm |
| Measurement Range | +3dBm to -55dBm | +3dBm to -55dBm | +20dBm to -40dBm |
| Detector Type | Silicon (Si) | Germanium (Ge) | Ger High Power |
| Applications | Multimode, Premise and Plastic | Single-mode, Multimode, Outside plant and Premise | Single-mode, Long wavelengths, CATV |
| All Units | | | |
| Accuracy (@25°C, -20.0dBm) | ±0.25 dB | | |
| Measurement Units | dBm (absolute) - dB (relative) | | |
| Resolution | 0.1 dB | | |
| Controls | 5 Soft Buttons | | |
| Buttons | On/Off, Backlight, λ, dB-dBm, Zero Reference | | |
| Power | 2AA Batteries or AC Power Converter | | |
| Low Battery Indicator | Yes | | |
| Display | Graphical LCD with Backlight | | |
| Adaptor Options | ST, SC, FC, 2.5mm Universal & LC (other adapters also available) | | |
| Auto-Shutdown | Yes | | |
| Protective Rubber Boot | Yes | | |
| Testing Reference Guide | Yes | | |
| Enclosure Size | Compact Handheld (L-4.94"/W-2.75"/H-1.2") | | |

| Temperature Specifications | |
|----------------------------|--|
| Operation Temperature | -10°C to +50°C (45% Hum, non condensing) |
| Storage Temperature | -20°C to +60°C (75% Hum, non condensing) |

Ordering Information

| Model Number | Calibration(nm) | Detector Type | Range (dBm) |
|--------------|-------------------------|-----------------------|----------------|
| AF-OM110 | 650, 790 & 850nm | Silicon | +3 to -55 dBm |
| AF-OM120 | 850, 1300,1310 & 1550nm | Germanium (1mm) | +3 to -55 dBm |
| AF-OM130 | 1310 & 1550nm | Germanium(high power) | +20 to -40 dBm |
| *AF-OM120-2 | 850, 1300,1310 & 1550nm | Germanium (2mm) | +3 to -55 dBm |
| *AF-OM120-3 | 850, 1300,1310 & 1550nm | Germanium (3mm) | +3 to -55 dBm |

*Special order version of the AF-OM120 for larger core applications