AF-OM200 Series Power Meters   (Data Storage)

Description

The AF-OM200 series Fiber Optic Power Meter has the same high performance as the AF-OM100 series with the added advantage of a user selectable choice of 0.1 or 0.01 resolution, on board memory and a serial and USB port connection for communication with a PC. PC software accompanies the meter for easy documentation of testing results. The AF-OM200 series is calibrated to +/-0.25dB of the NIST standard for each wavelength through the dynamic range of the meter. The AF-OM200 series is designed to measure loss (attenuation) and output power of both multimode and single-mode systems. The AF-OM200 series detectors are potted in a threaded housing for versatility and allows the user to interchange adapters for numerous connector types.

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

AF-OM200 Power Meter

The AF-OM200 series meter stores 500+ readings and results. Using the supplied Windows® compatible software and USB or serial connection, test records may be transferred to a PC for storage, display, printing, and analysis. The AF-OM200 series meters accept thread-on style adapter caps. The AD100 (2.5mm universal adapter) comes standard with each kit. Other adapter caps required for operation must be ordered separately.
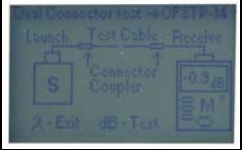
Kit Highlights and Key Features	
° Compact light weight carrying case	° On screen testing procedure guides
° 650nm, 790nm, 850nm, 1300nm, 1310nm & 1550nm	° Meter calibration certificate included
° dBm (absolute) + dB (relative) measurement	° Display back light
° Graphical display with testing guide	° Auto power off
° Zero reference with dBm value displayed	° N.I.S.T. traceable
° Storage of 500+ results	° Windows application software
° Single mode and multimode applications	° USB and Serial port compatible

ADVANCED FIBER SOLUTIONS

Technical Specifications OM200 Series Power Meters

Optical Specification	AF-OM210	AF-OM220	AF-OM230
Calibrated Wavelengths	650nm, 790nm & 850nm	850nm,1300nm, 1310nm & 1550nm	1310nm & 1550nm
Measurement Range	+3dBm to -55dBm	+3dBm to -55dBm	+20dBm to -40dBm
Detector Type	3mm. Silicon (Si)	2mm. 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 or 0.01 User Selectable		
Storage	500 Readings with Time and Date Stamp		
Controls	7 Soft Buttons		
Buttons	On/Off, Backlight, λ/↑, dB-dBm/↓, Zero Reference/Select, Save/Delete, Test/Results		
USB and Serial Interface	Yes		
PC Software	Advanced Fiber Solutions Database Documentation Software		
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)

On Screen Testing Procedure Guides	
One Way Loss Test	Two way loss testing guide

ADVANCED FIBER SOLUTIONS

Product Description

AF-OM200 Software Description

Advanced Fiber Solutions has developed this software package to accompany any AF-OM200 series meter. This windows based software package is an easy way to download and document the results that are stored in the memory of the AF-OM200 Series meter. The results can be printed directly from the software, or can be saved in a spreadsheet file format. The software also allows the user to edit the time on the AF-OM200 series meter. The software functionality couldn't be any easier, just turn the meter on, connect it to the computer using the serial cable provided in the kit and follow the easy instructions.
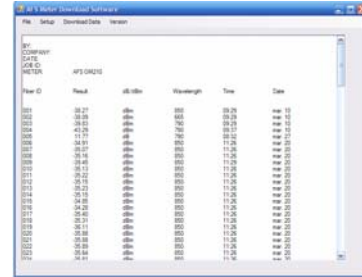
AF-OM200 Series Windows Software

Ordering Information

Model Number	Calibration(nm)	Detector Type	Range (dBm)
AF-OM210	650, 790 & 850nm	Silicon	+3 to -55 dBm
AF-OM220	850, 1300,1310 & 1550nm	Germanium (1mm)	+3 to -55 dBm
AF-OM230	1310 & 1550nm	Germanium(high power)	+20 to -40 dBm
*AF-OM220-3	850, 1300,1310 & 1550nm	Germanium (3mm)	+3 to -55 dBm

*Special order version of the AF-OM220 for larger core applications