AF-OM200A Series Power Meters (Data Storage)

Product: OM200A Series	Date: Aug:2010	Rev: 03

Description

The AF-OM200A series Fiber Optic Power Meter has the same high performance as the AF-OM100A series with the added advantage of 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-OM200A series is calibrated to +/-0.25dB of the NIST standard for each wavelength through the dynamic range of the meter. The AF-OM200A series is designed to measure loss (attenuation) and output power of both multimode and single-mode systems. The AF-OM200A 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-OM200A Power Meter

The AF-OM200A 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-OM200A 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
° 650, 665, 790 ,850 ,1300 ,1310 ,1550 & 1625nm	° Meter calibration certificate included
° dBm (absolute)/Watts + 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

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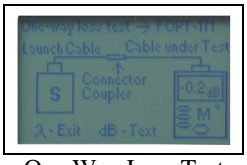
Technical Specifications OM200A Series Power Meters

Optical Specification	AF-OM210A	AF-OM220A	AF-OM250A
Calibrated Wavelengths	650nm, 665nm 790nm & 850nm	850nm,1300nm, 1310nm, 1490nm & 1550nm	850nm,1300nm, 1310nm, 1490nm, 1550nm & 1625nm
Measurement Range	+3dBm to -55dBm	+3dBm to -55dBm	+20dBm to -35dBm
Detector Type	3mm. Silicon (Si)	2mm. Germanium (Ge)	InGaAs High Power
Applications	Multimode, Premise and Plastic	Single-mode, Multimode, Outside plant and Premise	Single-mode, Long wavelengths, CATV

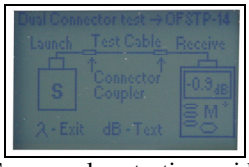
All Units	
Accuracy (@25°C, -20.0dBm)	±0.25 dB
Measurement Units	dBm (absolute)/Watts - dB (relative)
Resolution	0.1 dB or 0.01 User Selectable
Storage	500 Readings with Time and Date Stamp
Controls	7 Soft Buttons
Buttons	On/Off, Backlight, λ/↑, dB-dBm/↓, Zero Reference/Select, Save/Delete, Test/Results
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

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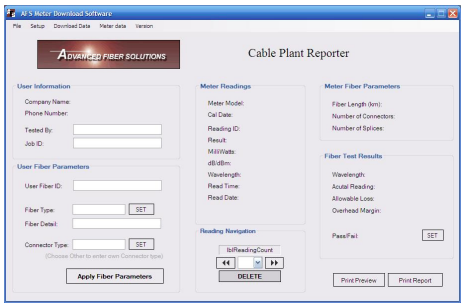
PC software and Ordering Guide

AF-OM200A Software Description

Advanced Fiber Solutions has developed this software package to accompany any AF-OM200A series meter. The **Cable Plant Reporter** is our latest product addition. This reporter package enables the user to download a saved Database from an OM200A series unit providing Pass/Fail analysis determined by the fiber length, number of connectors on the run, number of splices on the run and type of fiber being tested. This windows based software package is an easy way to download, analyze and document the results that are stored in the memory of the OM200A series meter. The results can be printed directly from the software.



AF-OM200A Series Cable Plant Reporter Software

Ordering Information

Model Number	Calibration(nm)	Detector Type	Range (dBm)
AF-OM210A	650, 790 & 850nm	Silicon	+3 to -55 dBm
AF-OM220A	850, 1300,1310,1490 &1550	Germanium (2mm)	+3 to -55 dBm
AF-OM250A	850, 1300,1310,1490,1550 1625nm	InGaAs (high power)	+20 to -35 dBm
*AF-OM220A-3	850, 1300,1310, 1490 & 1550nm	Germanium (3mm)	+3 to -55 dBm

***Special order version of the AF-OM220A for larger core applications**

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