

5 YEAR WARRANTY



OPM5 Optical Power Meter

5 YEAR WARRANTY



OPM4 Optical Power Meter

OPM5 and OPM4 Optical Power Meters

Features

- Rugged, dependable, tools backed with 5-Year Warranty
- Single-mode and multimode applications
- Wave ID supports testing up to three wavelengths simultaneously
- Field swappable connector adapters provide flexibility
- Large display visible in direct sunlight. Backlight for dim conditions
- Stores optical reference at each calibrated wavelength
- Detection of multiple test tones for fibre identification
- Equipped with five-minute auto-off feature
- Long battery life from globally available 2 x AA (Mignon) batteries
- Fully N.I.S.T. traceable.

Applications

- Passive Optical Networks (PON) testing
- Save test data for Report Generation (OPM5)
- OPM(5/4)-4D (Filtered-InGaAs) for high power (+26 dBm) CATV Broadband networks or DWDM system applications
- OPM(5/4)-3D (InGaAs) for Telecommunications networks
- OPM(5/4)-2D (Ge) for Premises LAN/WAN multimode or single-mode networks
- OPM4-1D (Silicon) for multimode / plastic optical fibre applications

With more than 25 years of experience in the optical testing industry and thousands of units in use around the world, AFL is a trusted supplier of optical power meters. Backed by 5-year product warranties, these are the quality products you can trust.

Designed for use in outside plant environments

- Splash resistant controls
- Withstands one-meter drop test
- Controls designed for easy operation with gloves
- Field swappable optical adapters allow access for cleaning optical port and supports multiple connector styles
- Efficient design provides long test time from globally available AA batteries

OPM5 with Data Storage of Test Results

File Management system allows technicians to organize test results into multiple files and transfer stored results via USB to a PC for analyzing, generating reports, and printing. The supplied powerful PC Analysis and Reporting Tool (TRM® 2.0) allows users to apply industry-standards-based rules to test results and create comprehensive certification reports. Users can generate network Pass/Fail results demonstrating compliance to industry standards and illustrate headroom.

OPM5 and OPM4 Optical Power Meters

Specifications ^a

OPTICAL				
MODEL	OPM5-4D, OPM4-4D	OPM5-3D, OPM4-3D	OPM5-2D, OPM4-2D	OPM4-1D
Calibrated Wavelengths	850, 980, 1300, 1310, 1490, 1550, 1625 nm	850, 1300, 1310, 1490, 1550, 1625 nm	850, 1300, 1310, 1490, 1550 nm	650, 660, 780, 850 nm
Detector Type	Filtered InGaAs	InGaAs	Germanium (Ge)	Silicon (Si)
Measurement Range	+26 to -50 dBm	+10 to -75 dBm	+6 to -60 dBm	+6 to -70 dBm
Tone Detect Range	+6 to -30 dBm +6 to -25 dBm for 850 nm	+10 to -50 dBm +10 to -45 dBm for 850 nm	+6 to -50 dBm +6 to -45 dBm for 850 nm	+6 to -45 dBm
Wavelength ID Range	+6 to -30 dBm +6 to -25 dBm for 850 nm	+10 to -50 dBm +10 to -45 dBm for 850 nm	+6 to -50 dBm +6 to -45 dBm for 850 nm	—
Accuracy ^b	±0.25 dB			
Resolution	0.01 dB			
Measurement Units	dB, dBm, µW			
GENERAL				
Power	2 x AA batteries, accepts standard mini-USB power adapter			
Adapter Caps	Order with one: 1.25 mm Universal, 2.5 mm Universal, FC, SC, ST, LC. Other connector adapters available			
Battery Life	300 hours			
Operating Temperature	-10 °C to 50 °C, 90 % RH (non-condensing)			
Storage Temperature	-30 °C to 60 °C, 90 % RH (non-condensing)			
Size (H x W x D)	14.0 x 8.1 x 3.8 cm (5.5 x 3.2 x 1.5 in)			
Weight	0.26 kg (0.58 lb)			

Notes:

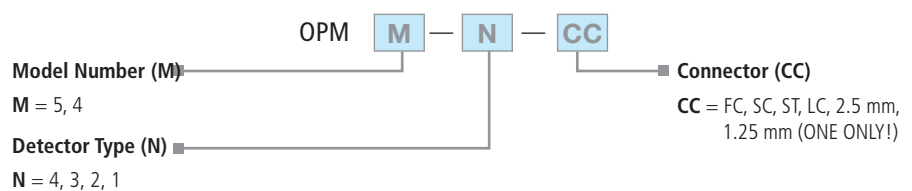
- All specifications valid at 25°C unless otherwise specified
- Accuracy measured at 25 °C and -10 dBm per N.I.S.T. standards

Ordering Information

All OPM models include optical power meter, 2 AA batteries, protective rubber boot, customer specified adapter cap, and carry case. OPM5 models also include TRM[®] 2.0 software (Basic License). Quick Ref Guides (PDF format) are available in Chinese Simplified, Chinese Traditional, French, German, Italian, Japanese, Korean, Portuguese, Spanish and Turkish on www.AFLglobal.com/OPMQRG.

When placing an order, select options as follows:

- Model Number (M),
- Detector Type (N),
- Connector Configuration (CC)



MODEL	CALIBRATED WAVELENGTHS (nm)										DETECTOR TYPE	MEASUREMENT RANGE (dBm)	PC SOFTWARE
	650	660	780	850	980	1300	1310	1490	1550	1625			
OPM5-4D				◆	◆		◆	◆	◆	◆	InGaAs	+26 to -50	TRM 2.0
OPM5-3D				◆		◆	◆	◆	◆	◆	InGaAs	+10 to -75	TRM 2.0
OPM5-2D				◆		◆	◆	◆	◆		Germanium	+6 to -60	TRM 2.0
OPM4-4D				◆	◆		◆	◆	◆	◆	InGaAs	+26 to -50	
OPM4-3D				◆		◆	◆	◆	◆	◆	InGaAs	+10 to -75	
OPM4-2D				◆		◆	◆	◆	◆		Germanium	+6 to -60	
OPM4-1D	◆	◆	◆	◆							Silicon	+6 to -70	

OPM5 and OPM4 Optical Power Meters

OPM Accessories

DESCRIPTION			AFL NO.
ADAPTER CAPS			
2.5 mm Universal (accepts FC, SC, and ST ferrules)			8800-00-0214
1.25 mm Universal (accepts LC and MU ferrules)			8800-00-0224
FC			8800-00-0200
SC			8800-00-0209
ST®			8800-00-0202
LC simplex/duplex			8800-00-0225
E-2000			8800-00-0221
MU simplex			8800-00-0226
2.5 mm open Universal. Accepts SC duplex, OptiTap connector for measuring optical power.			8800-00-0219
SMA			8800-00-0203
D4			8800-00-0201
Biconic			8800-00-0204
DIN 47256			8800-00-0211
Radial PFO/VFO			8800-00-0212
ADAPTERS FOR PLASTIC OPTICAL FIBRE (POF)			
1000 mm bare fibre (plastic)			8800-00-0223
HP-HFBR-45XX POF Universal			8800-00-0271PR
USB CABLE			
USB Cable: PC (USB-A) to OPM (USB-MINI B):	OPM5 MODEL	OPM4 MODEL	6000-00-0024MR
<ul style="list-style-type: none"> Connect OPM to PC for data upload to TRM ® 2.0 External Power for OPM (when used with customer supplied USB-A power source) 	Connect to PC and External power	External power only	

