



OPM1 Optical Power Meter

This portable optical power meter may be used to measure optical power in premises, telco, or broadband fiber optic networks. When used with an LED or laser light source, the OPM1 can also measure the attenuation (insertion loss) of multimode or single-mode cables.

With only two controls—ON/OFF and wavelength—the OPM1 is our simplest to use optical power meter. Power is displayed in dBm only - making the OPM1 an ideal meter for fiber optic training courses.

Optical power in dBm and the calibration wavelength setting are displayed on an easy-to-read LCD display. The optical input port accepts AFL thread-on style connector adapter caps. Adapter caps are required and must be ordered separately.

The OPM1 is fully N.I.S.T. traceable and runs on a standard 9-volt alkaline battery.

Features

- 850, 1300, 1310, 1550 nm
- Premises (Ge) and broadband (InGaAs) models
- Displays optical power (dBm)
- Our simplest to use optical power meter
- N.I.S.T. traceable

Applications

- OPM1-2C for testing multimode and single-mode networks
- OPM1-3C optimized for WAN, CATV, and Telco systems
- Fiber Optic Training courses

OPM1 Optical Power Meter

Specifications ^a

OPTICAL SPECIFICATIONS	OPM1-2C	OPM1-3C
Calibration Wavelengths	850, 1300, 1310, 1550 nm	850, 1300, 1310, 1550, 1625 nm
Detector Type	Germanium (Ge)	InGaAs
Measurement Range	+6 to -60 dBm	+6 to -70 dBm
Accuracy ^b	±0.25 dB	
Measurement Units	dBm	
GENERAL SPECIFICATIONS		
Power	Typical 60 hours with 9V battery	
Adapter Caps	2.5 mm Universal Included for FC, ST, SC Connector specific adapters available	
Operating Temperature	-10 °C to 50 °C	
Relative Humidity	0 to 95 % (non-condensing)	
Storage Temperature	-30 °C to 60 °C	
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)	

Note:

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

Accessories

DESCRIPTION	AFL NO.
FC adapter	8800-00-0200
SC adapter	8800-00-0209
ST [®] adapter	8800-00-0202
LC adapter	8800-00-0225

* See www.AFLglobal.com for full list of adapter caps

Ordering Information

INCLUDES	AFL NO.
Protective rubber boot, 9V battery, manual, 2.5 mm Universal Adapter cap and carrying case.	All OPM1 models

Optical power meters and optical light sources can be packaged together as a kit.

Calibration Plans

AFL recommends annual calibrations on AFL Test and Inspection products. Prepaid Cal plans offer two annual calibrations at a discounted price, a convenient calibration expiration email service, express calibration services and access to our product knowledge base. Cal Plus plans offer the same services as the Cal plans with the addition of a two year extended warranty (three years total coverage).

MODEL	2 YR CAL PLAN	2 YR CAL PLUS PLAN
	AFL NO.	AFL NO.
OPM1-2C	CAL2-00-OPM1-2	CAL2-01-OPM1-2
OPM1-3C	CAL2-00-OPM1-3	CAL2-01-OPM1-3



International Sales and Service Contact Information

Available at www.AFLglobal.com/Test/Contacts