



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

NOYES® 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. Optical power in dBm and the calibration wavelength setting are displayed on an easy-to-read LCD display. The optical input port accepts Noyes 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.

Applications

- The OPM1-2C is calibrated at 850, 1300, 1310, and 1550 nm for testing LAN, Ethernet, FDDI, Token Ring, and single-mode fiber systems such as Telco, WAN, and CATV.
- The OPM1-3C also operates at 850, 1300, 1310, and 1550 nm but offers greater temperature stability needed for outside plant 1550 nm testing as with WAN, CATV, and Telco systems.

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 (@25° C, -10.0 dBm)	±0.25 dB	
Measurement Units	dBm	
GENERAL SPECIFICATIONS		
Power	Typical 60 hours with 9V battery	
Adapter Caps	Order separately (ST, SC, FC, and others 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.

Ordering Information

INCLUDES	AFL NO.
Protective rubber boot, 9V battery, manual, and carrying case.	All OPM1 models

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