Optical Power Meters

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

OPM 1
measures optical power in dBm

With only two controls – Power and Wavelength – the OPM 1 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.

OPM 4
adds set reference feature to measure loss in dB directly

Simple to use, an OPM 4 stores reference settings for each calibration wavelength. An easy to read LCD display shows optical power (dBm or µW) or insertion loss (dB) and the calibration wavelength (nm).

OPM 5
adds data storage feature

The OPM 5 series offers more features than any comparably priced optical power meter available today. The non-volatile memory of the OPM 5 stores 500 loss readings per wavelength for future downloading to a printer or computer. A serial cable to transfer results to your PC and Windows® compatible software to view, print, and archive test results are provided with all OPM 5 models.

specifications

MODEL	OPM 1-2C	OPM 1-3C	OPM 4-1C	OPM 4-2C	OPM 4-3C	OPM 4-4C	OPM 5-2C	OPM 5-3C	OPM 5-4C
Calibrated wavelengths (nm)	850, 1300, 1310,1550	850, 1300, 1310,1550	660, 780, 850	850, 1300, 1310,1550	850, 1300, 1310,1550	850, 980, 1310,1480, 1550, 1625	850, 1300, 1310, 1550	850, 1300, 1310,1550	850, 980, 1310,1480, 1550, 1625
Detector type	Germanium	InGaAs	Silicon	Germanium	InGaAs	InGaAs	Germanium	InGaAs	InGaAs
Measurement range (dBm)	+6 to -60	+6 to -70	+6 to -70	+6 to -60	+6 to -70	+26 to -50	+6 to -60	+6 to -70	+26 to -50
Measurement units	dBm	dBm	dB, dBm, W	dB, dBm, W	dB, dBm, W	dB, dBm, W	dB, dBm, W	dB, dBm, W	dB, dBm, W
Power	9 volt	9 volt	9 volt	9 volt	9 volt	9 volt	9 volt or AC	9 volt or AC	9 volt or AC
Set reference	no	no	yes	yes	yes	yes	yes	yes	yes
PC software & storage	no	no	no	no	no	no	yes	yes	Yes