

Optical Power Meter OPM-300A/B

The OPM-300 is a handheld optical power meter (OPM) device used to measure the absolute or relative power of an optical signal. The OPM-300 consists of a calibrated sensor and display. The sensor consists of a photodiode that operates in the desired range of wavelengths. On the unit, measured optical power is shown and appropriate wave length is displayed. This ingenious device has a wide range of power measurements with high precision.

Features

- User self recalibration function
- Large LCD display and optional backlight
- Displays optical power in mw, dB and dBm
- Absolute and relative power measurement
- Quick response, without warm-up time
- Moisture, dust and water resistant design
- Low battery consumption (more than 240 hours continuous operation on three alkaline batteries)
- Optional 10 minutes auto shutoff function



Ports

Wavelength: 800~1650nm
 Calibrated Wavelength:
 800, 980, 1300, 1310, 1550nm
 Measure Range:
 OPM-300A -70~ +3dBm
 OPM-300B -50 ~ +26dBm
 Data Interface: RS-232
 Detector Type: InGaAs
 Range of Use: Single/ Multiple mode fiber
 Accuracy: ±0.25dB (5%) @25°C & -10dBm
 Resolution: 0.01dB
 Connector: FC/ PC (Interchangeable SC, ST)
 1.5V AA Battery
 Dimensions
 74x 152 x 26mm (W x D x H)
 Weight
 200g
 Temperature
 0°C ~ 50°C (Operating), -10°C ~ 70°C (Storage)
 Humidity
 10 ~ 90% non-condensing
 Certification
 CE, FCC
 MTBF
 30,000 hrs (25°C)

Power Input

Dimensions

Weight

Temperature

Humidity

Certification

MTBF

Ordering Information

OPM- Model type

300A

300B

Example: OPM-300A

Optical Light Source OLS-100



The OLS-100 is an Optical Light Source that can be used in conjunction with our OPM-300 Optical Power Meter to test installed fiber cabling for attenuation loss over medium to long distances. The OLS-100 can provide 1 to 4 wavelength outputs according to the specific requirements including 650nm visible red source, 1310/1550nm wavelength for single mode fiber and 850/1300nm wavelength for multimode fiber. Together with any optical power meter, it acts as a perfect solution for confirming or troubleshooting an optical fiber network.

Features

- Compact size
- Highly stable output power
- More than 45 hours working battery life
- Large LCD display
- Easy operation

Model	OLS-100			
Wavelengths(nm)	650	1310/1550	850/1300	More wavelengths can be optional the maximum can be four wav
Emitter Type	FP-LD			
Output Power(dBm)	0	-7	-20	Other emitted can be optional
Spectral Width(nm)	≤10			
Output Stability	± 0.05dB/15mins; ± 0.1dB/ 8hours			
Modulation Frequencies	CW,2Hz	CW,270Hz,1KHz,2KHz		
Optical Connector	FC universal adaptor	FC/PC		
Power Supply	Alkaline Battery(3 AA 1.5V batteries)			
Operating Temperature	-10(°C) ~ +60(°C)			
Storage Temperature	-25(°C) ~ +70(°C)			
Dimension	152 X 74 X 26mm (W x D x H)			
Weight	180g			

Ordering Information

OLS- Model type

100

Example: OLS-100