

## Optical Power Meter



Optical Power meter is reliable with complete functions and easy for operation for testing optical signal. It is controlled by single chip on board controller. Very useful for installation, maintenance and for optical CATV equipment testing. Its simple, reliable and simple design makes it versatile equipment for Optical Fiber Testing.

### FEATURES

- 4½ Digit LCD Display with Multi Unit Display Mode
- Displays nW, μW, mW, dBm, dB Factors
- Automatic Range Switching
- Low Battery Indication
- Automatic Reset
- Multi Wavelength Measurement
- Data Memory Functions up to 1000 Groups
- Self Calibration Function
- Real Time Data Monitoring Function by PC
- RS-232 Interface to Upload Data to PC for Analysis
- Auto Power OFF Settable from 5 to 60 mins.
- Works On External Power Adapter from Mains

## Technical Specifications

Models	OPM 4E12A	OPM 4E11B
<b>Wavelength Range</b>	1100 nm to 1650 nm	1100 nm to 1650 nm
<b>Wavelength Calibrated</b>	1310nm, 1480nm, 1550nm & 1625nm	1310nm ± 20nm, 1550nm ± 20nm
<b>Measurement Range</b> i) Max. Measurable Power ii) Min. Measurable Power	>+28dBm <-50dBm	>+3dBm <-60dBm
<b>Protection</b>	Instrument is protected against high optical input power upto +30dBm.	
<b>Calibration</b>	Automatic self check.	
<b>Resolution</b>	0.01dB	0.1 dB
<b>Accuracy (Absolute)</b> (At - 20dBm at ambient for CW mode)	± 0.20dB	
<b>Linearity for the entire range</b> (At - 20dBm at ambient for CW mode as reference)	±0.05dBm	
<b>Level Range Switching</b>	Automatic and Manual	
<b>Stability / Repeatability</b>	±0.01dB	±0.1dB
<b>Zero Adjustment</b> (with blocked sensor)	Automatic / Manual	
<b>Averaging</b>	Automatic / Selectable	
<b>Sensor Type</b>	InGaAS	
<b>Display</b>	4½ digits excluding "±" sign or more digit LCD	
<b>Display Parameters</b>	Optical power in dBm, dB & dBr (dB relative) / nW, µW, mW Measured wavelength, Out of range, Calibration Indication, Battery Charging, Low Battery indication (with 30 minutes threshold) and High Optical power.	
<b>Optical Connector</b>	Universal connector with adapters to suit FC-PC and SC-PC type of connector provided.	
<b>Recorder Output</b>	Digital RS-232 interface suit PC connectivity.	
<b>Sleep Mode</b>	Auto power off function provided to operate after 10 minutes ±3 minutes to save battery. This function is selectable by user.	
<b>Power Supply</b>	2 x 1.2V (2000 ~ 2300mAh) AA nickel-hydrogen rechargeable batteries with adapter of type INPUT:AC100V~240V 50/60Hz 0.5A, OUTPUT:DC-3.6V 500mA	
<b>Working Temperature</b>	-10°C to +50°C.	
<b>Storage Temperature</b>	-40°C to +70°C.	
<b>Dimensions</b>	140 x 72 x 38 in mm	
<b>Weight</b>	0.25 Kg.	
<b>Accessories</b>	2 x 1.2V rechargeable cells Fitted inside the instrument Charger / Adapter for AC input 100V - 270V output 3.6V/0.5A.	