

## ROF OPM series Desktop optical power meter

Desktop optical power meter is specially designed for laboratory, company quality inspection, can provide two types of products: ROF-OPM-1X high-stability optical power meter and ROF-OPM-2X high-sensitivity optical power meter can independently perform optical power testing, digital zeroing, digital calibration, manual or automatic range selection, equipped with USB(RS232) interface, upper computer software can automatically perform data testing, recording and analysis. It can be easily formed into an automatic test system with wide measuring power range, high testing accuracy, high cost performance and good reliability.

### Characteristics

High resolution, more than 6 significant digits  
Desktop interface, easy to operate  
- 90dBm weak signal detection

### Application

Laboratory optical device testing  
High stability light source performance test and inspection  
Advanced measurement of light measurement technology

### Parameter



Parameter		OPM-A	OPM-B
Wavelength range		900nm ~ 1650nm	300nm ~ 1100nm
Calibration wavelength		1310nm \ 1550nm	780nm\850nm
Power range	OPM- 1X	-90dBm ~ +3dBm	-90dBm ~ +3dBm
	OPM-2X-	-70dBm~ +16dBm	-70dBm~ +16dBm
Maximum display bit		≥6 bit	≥6 bit
uncertainty		±3.5% reading±10ppm full scale [Measurement conditions] Operating temperature 10~30°C, relative humidity 15~85% R.H., input optical power 10 UW (CW), average time 1s, light source spectral width <14nm, the actual center wavelength for the selected wave length error of ±1nm.	
Noise	OPM- 1X	≤0.003pWp-p @AVEN=64	
	OPM-2X	2pWp-p	
Temperature coefficient		0.2%/°C	
linearity		0.46% 100nW~2mW	
Detector type		InGaAs	Si
Connector type		FC	
Supply voltage		200V~240VAC	
Output interface		USB (RS232)	
Size (mm)		320x90x220 (Length x height x depth)	
Operating temperature		5~40°C	

Please indicate if other wavelengths need to be calibrated.