

Multi-channel laser power meter (infrared band)

Description

Goptica desktop multi-channel laser power meter supports flexible configuration of 1 to 4 channels, meeting the simultaneous measurement requirements of multiple optical paths. The power measurement range covers 10 μ W to 20W, with wavelength compatibility ranging from 900 to 1650nm, making it suitable for power measurement of various lasers. The power resolution is as low as 0.001dB, ensuring high precision. It is equipped with data statistics and analysis functions. When paired with the upper computer software, it supports dual display of numbers and images, presenting measurement results and trends intuitively, and providing precise support for scientific research and industrial applications.



Product features	Product application
High dynamic range for power measurement	Testing of optical fiber devices
High-precision resolution	Laser power test
Multi-channel	Optical experiment

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Parameter

Optical index	unit	Typical value	Remarks
Working wavelength	nm	900~1650	
Detector type	—	InGaAs	
Power measurement range	dBm	-20~+43	10 μ W~20W
Measurement resolution	dB	0.001	
Measurement uncertainty	%	± 5	
Data sampling time interval	s	0.1~1	Optional
Optical fiber adapter	—	FC (Default)	
Diameter of the light input hole	mm	$\Phi 12$	
Power statistical analysis	—	Current value; Minimum value; Maximum value; Average value; Peak-to-peak value Standard deviation value	

Electrical and environmental parameters

Control mode	—	Touchscreen/serial port communication
Size of the power meter probe	mm	65×67.5×74
The dimensions of the power meter main unit	mm	255 (W) × 285 (D) × 180 (H)
The length of the power meter probe cable	m	1.5
Power probe communication port	—	DB 9 Pin
Analog voltage output range	V	0~2.5
Analog voltage output port	—	BNC
Upper computer communication port	—	USB
Operating temperature and humidity range	—	-5~+35° C; 0~70%
Power supply	—	AC 100~240V , <15W

Product model and order information

MC-OPM	Working wavelength (nm)	Power range (dBm)	Number of channels	Encapsulation
Multi-channel optical power meter	NIR-I=900~1650	2040=-20~+40	1/2/3/4	B5=Desktop