

NEW

Multi-Port Optical Power Meter MPM-200/MPM-10

The MPM-200 is a multi-port optical power meter that is perfect for measuring the optical characteristics of multi-port optical devices. The MPM-200 can simultaneously measure up to 20 ports (4 ports per MPM-10 module) very fast with high resolution. It features high accuracy, high linearity, and extremely low polarization-dependent sensitivity with power levels from -80 to +5dBm over a wavelength range of 1250-1650nm. GPIB, TCP/IP and RS-232C interfaces provide a convenient automated measurement solution.

The MPM-200 is ideal for IL and PDL measurement of multi-port optical components; for example, Dense Wavelength Division Multiplexing (DWDM), AWG and Wavelength Selective Switches (WSS). Combined with the santec TSL-710, TSL-550 and TSL-510 equipped with power monitor output, the MPM-200 allows you to complete high precision IL measurements while referencing in real-time.



Features

- ▶ Wavelength Range 1250-1650nm
- ▶ Dynamic power range -80 to +5dBm
- ▶ Up to 20 ports measurement
- ▶ Fast measurement with high resolution
- ▶ Data logging function up to 1,000,000 measurements

Applications

- ▶ Optical power measurements
- ▶ IL and PDL measurements

■ Specifications

MPM-200 (Main frame)

Parameter	Unit	Specifications	Notes
Module number	-	Up to 5	
Interface	For Power meter	GP-IB, Ethernet, RS-232C	
	For System	USB	
Trigger input	-	TTL	BNC
Trigger output	-	TTL	BNC
Power monitor	V	0 to 3	BNC
Supply voltage	V	AC 100 to 240, 50/60Hz	
Maximum power consumption	VA	50	
Operating temperature	deg	10 to 40	
Operating humidity	%	<80	non condensing
Weight	kg	6	
Dimensions (W) x (D) x (H)	mm	210x350x133	

MPM-10 (Module)

Parameter	Unit	Specifications	Notes
Sensor element	-	InGaAs	
Wavelength range	nm	1250 to 1650	
Specification wavelength range	nm	1270 to 1630	
Dynamic power range	dBm	-80 to +5	
Maximum safe power	dBm	+16	
Total uncertainty	%	+/-5	@>-60dBm
Power resolution	dB	0.01	
Linearity	dB	±0.03	@>-60dBm
Polarization dependent responsivity (typ.) *1, 2	dB	<0.025	@1525-1585nm
		<0.03	@1270-1630nm
Averaging time	sec	50μ to 10	
Port number per module	-	4 ports	
Data logging capability	-	1,000,000 per port	
Connector type	-	FC or SC	
Operating temperature	deg	10 to 40	
Operating humidity	%	<80	non condensing

*1: Temperature: 20-30 deg C, *2: SMF, Straight connector

■ Ordering Code

Main frame **MPM-200**

Module **MPM-10** - -
A B

Connector Type : **F** : FC
 Port: **04**

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