Multichannel Optical Power Meter

PM2100

FIBERPRO's newly released optical multichannel power meter, the PM2100, provides the best production efficiency for optical device manufacturers. The PM2100 measures optical power for a maximum of 20 different channels with rapid measurement speed and high resolution. The PM2100 is suitable for measuring the PDL and IL of multichannel devices. The PM2100 also provides complete flexibility in external control, including GPIB, TCP/IP, and RS232 interface. This flexibility provided for the user makes multichannel expansion and system integration with multiple instruments quick and simple.

Features

- 3 kinds of modules
  - 4ch optical power meter module
  - 2ch optical power + 2ch analog output module
  - 4ch current meter module
- Max. 20 channels of precision optical power measurement
- Optical power range : -80 to +10 dBm
- Single mode & Multimode measurement
- Fast measurement (Max. 100 kHz) with high resolution
- Wide wavelength range
- Data logging capability of 1,000,000 measurement points/ch
- Varieties of interfaces (GPIB, TCP/IP, RS232)
- External Trigger in : TTL Level
- Free space connector type (FC)

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Specifications

Optical Power Meter	
Wavelength Range	1250 ~ 1630 nm
Power Range	- 80 ~ +10 dBm
Total Uncertainty	± 5.6% @ > - 60 dBm
Linearity	± 0.05 dB @ > - 60 dBm (23 ± 5℃)
Measurement Frequency	Max. 100 kHz
Supported Max. Module Number	5 (20 channels)
Measurement Data Logging Number	1,000,000 (per channel)
Display Resolution	0.01 dB
Connector Type	FC (Free space)
Current Meter	
Current Range	-70 ~ +3 dBmA (100pA ~ 2mA)
Accuracy	± 0.2 dB @ > -45 dBmA
Channel Number per Module	4 channels
Connector Type	BNC Connector
Environment / Etc.	
Interface	GPIB, TCP/IP, RS232
Power Supply	AC 100 ~ 240 V (50/60 Hz)
Power Consumption	< 50 VA
Operating Temperature	10 ~ 40℃
Storage Temperature	-20 ~ 60℃
Dimensions (W x D x H)	234 mm x 350 mm x 154 mm (With rubber cover) 212 mm x 320 mm x 132 mm (Without rubber cover)
Weight	< 6 kg

 * Above specifications are subject to change without prior notice.

Ordering Code

PM2100 - (1) - (2) - (3)

1. The number of 4ch optical power meter module

   ➡ 4ch(4), 8ch(8), 12ch(12), 16ch(16), 20ch(20), Not included(X)
2. The number of 2ch optical power meter module

   ➡ 2ch(2), 4ch(4), 6ch(6), 8ch(8), 10ch(10), Not included(X)
3. The number of 4ch current meter module

   ➡ 4ch(4), 8ch(8), 12ch(12), 16ch(16), 20ch(20), Not included(X)

4ch current
meter module

2ch optical power
meter module