

PM420X Series

Multi-Channel Power Meter

Version 5.6



Product Description

PM420X optical power meter have small volume and wide power measurement range. It is widely used for optical transceiver module development and production to measure the average optical power.

Key Features

- High dynamic range: >70 dB
- Multi-channel, parallel measurement and display
- Support LAN/USB remote control
- Widely used in optical transceiver module testing and optical active device testing

Technical Specification

Model	PM4201/2/4/8
Detector type	InGaAs
The size of photodetector	φ2mm
Connector	FC/APC or FC/UPC
The wavelength of calibration	850/980/1270/1290/1300/1310/1330/1490/1550/1625 nm
Measuring range	-80 ~ +10 dBm
Sampling time	0.1-5 s
Units	dB/dBm/mW/μW/nW/pW
Uncertainty	± 3%
Linearity	± 0.03 dB (+5~70 dBm)
Resolution ratio	0.001/0.01/0.1
Polarization dependence	Typical value: < ± 0.01 dB (1250 nm to 1580 nm)
Maximum safe input power	+15 dBm
UI	3.5 inch TFT
Remote control	USB, RS232

Environmental target

Environment	In Door
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Work	0 °C to +55 °C, 30 % to 80 % relative humidity and non-condensing
Storage	-30 °C to 70 °C, 10 % to 90 % relative humidity and non-condensing
Altitude	work: 0 m to 2000 m, storage: 0 m to 4600 m
Power	LINE: 90-250VAC, 50/60Hz, 20W; FUSE: T2AL 250 VAC
Warm up	5 minutes
Dimensions (D x W x H) mm	412*286*89
Weight	Net weight 2.0 kg

Ordering Information

Power cord, USB cable, test software and driver.

Product Model	
PM4201	One channel optical power meter
PM4202	Two channels optical power meter
PM4204	Four channels optical power meter
PM4208	Eight channels optical power meter

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*This information is subject to change without notice.