

# Optical Power Meter

## Rugged

Durable and compact

## Precise

Measures optical powers down to -65dBm

## Adaptable

Interfaces to all industry standard connectors

### FEATURES:

- InGaAs detector for maximum Sensitivity
- Filtered InGaAs for measuring high powered optical Signals
- Singlemode and multimode measurement
- Calibrated wavelengths of 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm
- 270Hz, 1kHz and 2kHz tone



### SPECIFICATIONS:

MODEL	OPM510	OPM520
Cal. Wavelength (nm)	850,1300,1310,1490,1550,1625	
Measure range (dBm)	-65~+10 <sup>(1)</sup>	-50~+27
Detector type	InGaAs	
Accuracy (dB)	±5% ±0.01nW (±0.5dB@850nm)	±5% ±1nW (±0.5dB@850nm)
Linearity	+/-0.5dB (+10 to -3dBm) +/-0.1dB (-3 to -50dBm) +/-0.5dB (-50 to -65dBm)	+/-0.5dB (+27 to -3dBm) +/-0.1dB (-3 to -50dBm)
Resolution (dB)	0.01dB	
Functions	W/mW/µW/dBm/dB(REF)/ MOD TONE DETECT 270Hz, 1kHz, 2kHz	
Connector Type	SC/PC (Interchangeable LC,ST,SC)	
Fiber Type	Singlemode & multimode	
Battery life	> 100 Hours	
Power supply	9V Alkaline or 1000mAh lithium battery /9V AC adapter	
Operating Temperature	-10°C-50°C	
Storage Temperature	-20°C-70°C	
Relative Humidity	0 to 95% (NON-CONDENSING)	
Weight	0.68lbs (300g)	
Dimensions (HxWxT)	6.1x3.5x1.3" (155x88x33mm)	
IP Rating	IP54	
Vibration	5Hz to 150Hz, Amplitude+0.15mm	
Shock	Peak acceleration 25g at a pluse duration of 6ms	
Compliance	CE, FCC	

Note: (1) The lower limit of 850nm measurement is -60 dBm for OPM510.  
Specification subject to change without notice.

### ORDERING INFORMATION:

CAT. NO.	DESCRIPTION
OPM510	InGaAs OPM+10to-65dBm
OPM520	InGaAs OPM+27to-50dBm
SL5520	1310/1550nm Dual Laser
SL5525	850/1300nm Dual LED
SL5530	1310/1490/1550nmTriple Laser
SL5535	1310/1550/1625nmTriple Laser
SL5536	1310/1550/1650nmTriple Laser

CAT. NO.	DESCRIPTION
SM DUAL KIT	OPM510 & SL5520
SM DUAL KIT HP	OPM520 & SL5520
MM DUAL KIT	OPM510 & SL5525
SM T PON KIT	OPM510 & SL5530
SM T 1625 KIT	OPM510 & SL5535
SM T 1650 KIT	OPM510 & SL5536
SM T PON KIT HP	OPM520 & SL5530
SM T 1625 KIT HP	OPM520 & SL5535
SM T 1650 KIT HP	OPM520 & SL5536
SMMMKIT-T	OPM510, SL5520 & SL5525
SMMMKIT-M	OPM520, SL5520 & SL5525

\*All kits include one CC-2-3 carry case that is capable of holding up to three instruments.

### ACCESSORIES ORDERING INFORMATION:

CAT. NO.	DESCRIPTION
LC-OPM	LC Adapter
SC-OPM	SC Adapter, OPM
ST-OPM	ST Adapter, OPM
FC-OPM	FC Adapter, OPM
LC-SOURCE	LC Adapter, SLS
SC-SOURCE	SC Adapter, SLS

CAT. NO.	DESCRIPTION
ST-SOURCE	ST-Adapter, SLS
FC-SOURCE	FC-Adapter,SLS
PS-100	POWER SUPPLY
CC-1	CARRY CASE, Single Instrument
CC-2-3	CARRY CASE, DUAL, Two or three Instruments

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