



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 measurements
- Calibrated wavelengths of 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm
- 270Hz, 1kHz and 2kHz tone

ORDERING INFORMATION:

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



SPECIFICATIONS:

MODEL	OPM510	OPM520
Cal. Wavelength (nm)	850, 1300, 1310, 1490, 1550, 1625	
Measure range (dBm)	-65 - +10 ⁽¹⁾	-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 (H x W x T)	6.1 x 3.5 x 1.3" (155 x 88 x 33mm)	
IP Rating	IP54	
Vibration	5Hz to 150Hz, Amplitude+0.15mm	
Shock	Peak acceleration 25g at a pulse duration of 6ms	
Compliance	CE, FCC	

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

TC-OPMSLS 06/20



Distribution in the UK & Ireland



Lambda Photometrics Limited
Lambda House Batford Mill
Harpenden Herts AL5 5BZ
United Kingdom

**Characterisation,
Measurement &
Analysis**

E: info@lambdaphoto.co.uk
W: www.lambdaphoto.co.uk
T: +44 (0)1582 764334
F: +44 (0)1582 712084