



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
- Each optical power meter is supplied with one SC/PC adapter.



SPECIFICATIONS:

| MODEL | OPM510 | OPM520 |
|------------------------|--|--|
| Cal. Wavelength | 850, 1300, 1310, 1490, 1550, 1625nm | |
| Measure range | -65 ~ +10 ⁰ dBm | -50 ~ +27 dBm |
| Detector type | InGaAs | |
| Accuracy | ±0.25 dB (±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 | 0.01dB | |
| Functions | µW/dBm/dB(REF)/ MOD tone detection 270Hz, 1kHz, 2kHz | |
| Connector Type | SC (Interchangeable LC, ST, FC) | |
| 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. Each optical power meter is supplied with one soft carry case (CC-1), one Certificate of Conformance, and one SC/PC adapter.

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, OPM |
| SC-OPM | SC Adapter, OPM |
| SCAPC-OPM | SC/APC 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 or Triple Instrument |
| CAL CERT | Calibration Certificate |

