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NAME	OPM QUICK REFERENCE CARD
Part #	QR-OPM

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OPM5XX Optical Power Meter Quick Reference



External Connector Instruction

① Fiber Optic Input

OPM510 & OPM520 is available with SC fiber optic connector (Interchangeable LC/ST/FC).

② Ext. AC Power Jack

OPM510 & OPM520 can be operated with an External Power Adapter 9V DC@250mA.

Keypad Functions

[Power]

Push the power button to turn the OPM on or off. The default setting will turn the OPM off after five minutes of inactivity. Hold the power button for two seconds to place the OPM into a constant on mode. Holding the power button again for two seconds will revert to the auto off mode.

[dB/dBm]

Press this key to switch the measurement mode between absolute power (dBm) and relative loss (dB). Hold the key until "HELD" is displayed.

[Zero]

Press the Zero key to zero the OPM with the input port protected from ambient light. A message of "SUCC" will be displayed upon successful zeroing. If an "ERR" message appears check that the input port was in fact covered properly and repeat the zeroing procedure.

[REF]

Press this key to display the reference value stored in memory. Hold the key down until "HELD" appears in the display. When the OPM is switched to dB mode, the LCD displays the difference in dB between the reference level and the current input signal.

[λ]

Press this key to select the desired wavelength. The current wavelength will be displayed on LCD.

The External Power LCD Indicator will illuminate when the unit is supplied from the external power adapter.

Specifications

MODEL	OPM510	OPM520
Cal. Wavelength	850, 1300, 1310, 1490, 1550, 1625nm	
Measure range	-65 to +10dBm	-50 to +27dBm
Detector type	InGaAs	
Accuracy	±5% ±0.01nW (±0.5dB@850nm)	±5% ±1nW (±0.5dB@850nm)
Resolution	0.01dB	
Functions	W/mW/μW/dBm/dB(REF)/ MOD tone detection 270Hz, 1kHz, 2kHz	
Connector Type	SC (Interchangeable LC, FC and ST)	
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 (310g)	
Dimensions (H × W × T)	6.1 × 3.5 × 1.3" (155 × 88 × 33mm)	
IP Rating	IP54	
Vibration	5Hz to 150Hz, Amplitude = 0.15mm	
Shock	Peak acceleration 25g at a pulse duration of 6ms	
Compliance	CE, FCC	

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