



DATA SHEET

Rev. no: 00
Publish Date: 08.10.2017

Optic Meter MA

2104

Optical power meter MA is a handheld optical power meter, newly released in 2007, which can be used for absolute optical power measurements as well as for relative loss measurements in optic fiber networks. An Ø1.0mm photosensitive area photodiode is used to significantly improve the stability and the reliability. It features ingenious appearance, wide range of power measurement, high accuracy, user self-calibration function and reference power level storage.

All four performance grades are based on indium gallium arsenide (InGaAs) detectors and are suitable for applications using single-mode (SM) or multimode (MM) fiber. They feature high accuracy, high linearity, and extremely low polarization dependant loss (PDL). The general purpose grade provides a measurement range of -70 to +10 dBm. The high-performance detector features thermal stabilization, which results in an extended wavelength range and a power measurement range of -80 to +11 dBm. The high power grade extends high power measurement capability to +27 dBm. The ultra-performance detectors feature enhanced thermal stabilization and noise control, which results in a power measurement range of -100 dBm to +11 dBm and best in class noise performance.



Key Features

- Wide dynamic measurement range (up to 80dB)
- Reference power level storage(Ref Setting)
- User self-calibration function
- Comfortable LCD display and backlight LCD display supports night operation.
- Power measurements in dBm or mw and insertion loss in dB
- 10 minutes Auto-off function can be activated or deactivated.
- AA alkaline batteries can last more than 140 hours, AC adaptor also available
- Low battery indication



Technical Specifications

General

Dimensions (mm)	100 x 57 x 25
Weight (g)	100
Display	128 x 128 x 1.5" OLED touch screen
Connector	Universal 2.5 mm
Power source	AA Battery / Rechargeable through USB
Run time	12 hours continuous, 24 hours ON
Power mode	Active, auto-off
Charge time (h)	4.5 hours from empty
Data storage	Yes (125 results)
Waranty	2 years advanced replacement warranty

Power measurement ranges

Display range	-70 to +10 dBm
Max. input power	+10 dBm
Standard wavelength settings	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Wavelength range (nm)	780 to 1650 nm
Calibrated wavelengths (nm)	850, 1300, 1310, 1490, 1550, 1625
Resolution	0.01 dB
Absolute uncertainty	±0.20 dB (±5%)
Linearity	±0.06 dB (-50 to +5 dBm)
Tone detection	270 Hz, 1 kHz, 2 kHz
Auto lambda	Yes

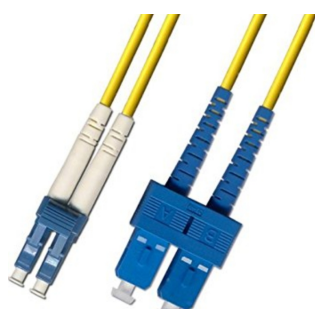
Environmental conditions

EC/IEC/EN61326	Yes
Operating temperature	-10 to +55°C (+14 to +131°F) * Start up should be done at above -10°C (+14°F)
Storage temperature	-40 to +70°C (-40 to +158°F) Less than 90% RH
Standard	CE

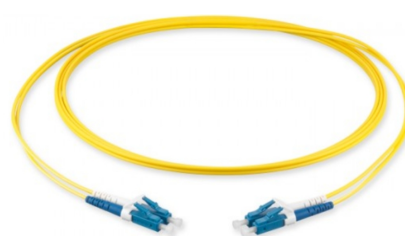
Ordering Information

Description	Product code
SC PowerChek connector	OPT-FESC
LG PowerChek connector	OPT-FELC
Connect case	FEPP-TACS5

Accessories



OPT-FESC



OPT-FELC



FEPP-TACS5

Optic Meter Inc.

40th Street, 6th Avenue /Manhattan
P: Office: 718-10071859 E-mail: sales@opticmeter.com W: www.opticmeter.com