

MAUNT

M10000423

**Installation document Power meter, MM/SM, 850/1300nm -
1310/1550/1625nm, +26dBm to -50dBm, SC/PC, Maunt**



Description

Compact optical power meter for measuring optical power in singlemode and multimode fiber optic links. The meter measures at six calibrated wavelengths between 850 and 1625 nm, within a range of +26 to -50 dBm. Measurement results can be stored in the memory (up to 500 measurements).

Brand

Maunt

Requirements

AA battery (or AC/DC adapter)

2x

Power meter overview

Part	Position	Explanation
OPM measurement port	Top	Optical input for the fiber to be measured (SC/PC). Measuring range +26 to -50 dBm; at 850/1300 nm down to -40 dBm.
LED	Top	Lamp with continuous light or SOS signal.
MicroUSB	Side	USB connection.
Display	Front	Shows measured value, unit (dBm/mW), wavelength and battery status.
Keys	Front	λ , UNIT/GLINT and FUNC (see Keys and options).
Battery compartment	Back	For 2x AA batteries.

Keys and options

Key	Short press	Hold for 2 seconds
 On/off and function	Off: switch the power meter on. On: switch function: Measure → Stored measurements → LED.	Off: switch on without automatic shut-off. On: switch the power meter off.
 Wavelength	Measure: select wavelength (850, 1300, 1310, 1490, 1550 or 1625 nm). Stored measurements: scroll.	Measure: set current measured value as reference (0.00 dB).
 Unit and save	Measure: switch unit between dBm and mW. LED: switch between continuous light and SOS. Stored measurements: scroll.	Measure: save measurement (wavelength and value).

MAUNT®



1. Open the battery compartment on the back and insert two AA batteries. Or connect an AC/DC adapter.



2. Briefly press FUNC to switch the power meter on. Without a connected fiber, the display shows "LO".



3. Remove the dust cap from the OPM measurement port and connect the fiber to be measured.



4. Briefly press λ to select the wavelength that matches the light source used: 850, 1300, 1310, 1490, 1550 or 1625 nm. Read the measured power on the display.



5. Briefly press UNIT/GLINT to switch the unit between dBm and mW.



6. Hold λ for 2 seconds to set the current measured value as reference. The display then shows 0.00 dB.

MAUNT



7. Hold UNIT/GLINT for 2 seconds to save the measurement. The memory number at the top left flashes 3 times and disappears: the measurement has been saved.



8. Briefly press FUNC to go to the stored measurements. The display shows "-->PC", alternating with the wavelength and the memory number.



9. Use λ and UNIT/GLINT to scroll through the stored measurements.

MAUNT



10. Briefly press FUNC until the LED function is active. Press UNIT/GLINT to switch between continuous light and an SOS signal.



11. Hold FUNC for 2 seconds to switch the power meter off.