

RP-MF2312 | RP-MF2321

Fiber Meter

The Fiber Meter is mainly used for checking the signal output power of the optical communication equipment in fiber optic networks. It measures the average power of a continuous light beam which emitted from the equipments or other optic sources. It measures power in both 850 nm / 1300 nm (Multi-mode) and 1310 nm / 1490 nm / 1550 nm (Single-mode) respectively.

The Fiber Meter consists of a solid state InGaAs photodiode, signal power measurement circuitry, and a 2 Digit s / 3 Digits LED display. Users simply need to connect a fiber cable between the transmission port of the equipment and the universal interface on the Fiber Meter. The universal connector can be used for all of the most common fiber interfaces such as ST / SC / FC , it is suitable for testing both Single-mode and Multimode cables. With an optical 2.5 mm to 1.25 mm adaptor, users can even test for 1.25 mm fiber interface.



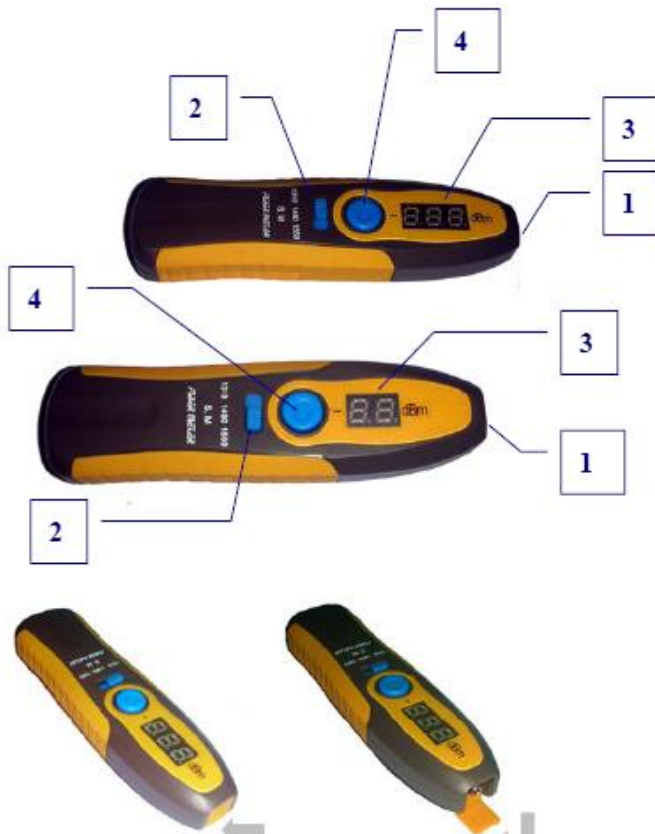
Feature

- Robust & handy design with LED digits reading.
- Easy to check Multimode 850 nm / 1300 nm output power.
- Easy to check Single mode 1310 nm / 1490 nm / 1550 nm output power.
- Universal 2.5 mm to 1.25 mm adaptor for SC / ST / FC to LC
- 2 Digits / 3 Digits resolution and Low Voltage Battery warning LED display.
- Measuring power in Multimode 850 nm / 1300 nm within -40 dBm ~ +5 dBm ranges.
- Measuring power in 3 Digits Single mode 1310 nm / 1490 nm / 1550 nm within -40 dBm ~ +5 dBm ranges.

Specification

Wavelength	<ul style="list-style-type: none"> • 850nm / 1300nm • 1310nm / 1490nm / 1550nm
Optical Power Range	<ul style="list-style-type: none"> • -40 dBm ~ +5 dBm
Battery	<ul style="list-style-type: none"> • AAA 1.5V X 2
Resolution	<ul style="list-style-type: none"> • 0.1 dB (MM) • 0.1 dB (SM)
Fiber Connector	<ul style="list-style-type: none"> • Standard ST, SC, FC Connector • 2.5mm to 1.25 LC adapter (option)
Display	<ul style="list-style-type: none"> • 2 digits LED • 3 digits LED
Environment	<ul style="list-style-type: none"> • Operating temperature : 0°C to 50°C
Dimension	<ul style="list-style-type: none"> • 132.5 * 33.5 * 24.5 mm
Certification	<ul style="list-style-type: none"> • FCC, CE

Application



To touch / bend the Dust Cap to open the connector



To press to release Linchpin then to push Battery Lid backward.



To open Battery Lid to change batteries.

1. **Dust Cap:** to prevent dirt contaminates the PD.
2. **Switch:** Wavelength choosing switch.
3. **LED:** figures shown input power indicator dBm and Lower Power.
4. **Button:** pressing to Turn On / Turn Off the Meter.
5. **Pen Clip:** a design to fasten the tool while put inside pocket.
6. **Battery Lid:** to open to change batteries.
7. **Linchpin:** a mechanical design to lock the Battery Lid.

Ordering information

RP-MF2321	2 Digits MM Fiber Meter, 850 nm / 1300 nm
RP-MF2312	3 Digits SM Fiber Meter, 1310 nm / 1490 nm / 1550 nm
MOD-MF2311	LC adapter for Fiber Meter