

FT-0003

FIBER METER

Description:



FT-0003 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 emits from the equipments or other optic sources. It measures power in both 850 nm / 1300 nm (Multimode) and 1310 nm / 1490 nm / 1550 nm (Singlemode) respectively.

FT-0003 consists of a solid state InGaAs photo diode, signal power measurement circuitry, and a 2 Digit s / 3 Digits LED display. Users just connect a fiber cable between the transmission port of the equipment and the universal interface on the Fiber Meter. (Or connect to other light source) The product will show the exact amount of the received power value (in dBm).

The universal connector can be used for all the most common fiber interfaces such as ST / SC / FC and it is suitable to test both Singlemode and Multimode cables. With an optical 2.5 mm to 1.25 mm adapter, users can even test for 1.25 mm fiber interface.

Features:

- Robust & handy design with LED digits reading.
- Easy to check Multimode 850 nm / 1300 nm output power.
- Easy to check Singlemode 1310 nm / 1490 nm / 1550 nm output power.
- Universal 2.5 mm to 1.25 mm adaptor for SC / ST / FC / LC Connector.
- 2 Digits / 3 Digits resolution and Low Voltage Battery warning LED display.
- Measuring power in Multimode 850 nm / 1300 nm within -30 dBm ~ -15 dBm ranges.
- Measuring power in 2 Digits / 3 Digits Singlemode 1310 nm / 1490 nm / 1550 nm within -30 dBm ~ -6 dBm ranges.
- Measuring power in 3 Digits Singlemode 1310 nm / 1490 nm / 1550 nm within -40 dBm ~ +5 dBm ranges.

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Specification

Wavelength (Multimode)	850 nm / 1300 nm
Optical Power Range (Multimode)	-30 dBm ~ -15 dBm
Wavelength (Singlemode)	1310 nm / 1490 nm / 1550 nm
Optical Power Range (Singlemode) 2 Digits	-30 dBm ~ -6 dBm
Optical Power Range (Singlemode) 3 Digits	-30 dBm ~ -3 dBm
Optical Power Range (Singlemode) 3 Digits	-40 dBm ~ +5 dBm
Battery	AAA 1.5V X 2
Resolution	1 dB / 0.1 dB
Fiber Connector	Universal Type (Diameter:2.5mm)
Display (2 digits / 3 digits)	2 digits / 3 digits LED
Operating Temp.	0°C ~ 50°C
Storage Temp.	0°C ~ 70°C

Ordering Information:

Part Number	Product Type	Wavelength (nm)	Range (dBm)
FT-0003-M2	2 Digits MM Fiber Meter	850 nm / 1300 nm	-15 dBm ~ -30 dBm
FT-0003-M3	3 Digits MM Fiber Meter	850 nm / 1300 nm	-15 dBm ~ -30 dBm
FT-0003-S2	2 Digits SM Fiber Meter	1310 nm / 1490 nm / 1550 nm	-6 dBm ~ -30 dBm
FT-0003-S3-A	3 Digits SM Fiber Meter	1310 nm / 1490 nm / 1550 nm	-3 dBm ~ -30 dBm
FT-0003-S3-B	3 Digits SM Fiber Meter	1310 nm / 1490 nm / 1550 nm	+5 dBm ~ -40 dBm
FT-0003-S3-C	3 Digits SM Customized Wavelength Fiber Meter		
FT-0003-AP	2.5 mm to 1.25 mm adapter for Fiber Meter		