

FIBER OPTIC POWER METER - VFL 5MW



Strong Red light



Optical power meter



LED Lighting

Overview

High-performance, compact device designed for precise testing, installation, and maintenance of fiber optic networks. This tool ensures accurate measurements and quick detection of issues such as signal loss, cable breakage, and optical faults. Equipped with a wide wavelength range, Visual Fault Locator (VFL) functionality, and extended battery life, it is an essential instrument for professionals in the telecommunications and data center sectors. The lightweight and user-friendly design make it an ideal choice for field operations and technical teams, delivering reliable results in various applications.

Applications

- Telecommunication Network
- CATV-Cable Television
- Wall-Mounted, Pole-Mounted, Aerial Application
- FTTH, FTTx, GPON

Features

- Standard Wavelengths: 850, 980, 1300, 1310, 1490, 1550, and 1625 nm
- Measurement Range: -70~+6 dBm
- Detector Type: InGaAs (Indium Gallium Arsenide) for high sensitivity and precision
- Display Resolution: Linear: 0.1%, Logarithmic: 0.01 dBm
- Measurement Uncertainty: $\pm 5\%$
- Frequency Identification: Supports 0Hz, 270Hz, 1000Hz, and 2000Hz
- Battery Life: ≥ 48 hours of continuous operation
- Charging Time: Fully charges in ≤ 3 hours
- Power Supply: Built-in lithium battery, rechargeable via USB
- Battery Capacity: 1500mAh
- Auto Shut-Off: Powers down after 10 minutes of inactivity to save energy
- Net Weight: 224 g
- Package Dimensions: 172x77x40 mm
- Product Dimensions: 142x76x30 mm
- VFL Output Power: 5 mW (5 km detection range)

Specification

Standard Wavelengths	850/980/1300/1310/1490/1550/1625 nm	Measurement Range	-70~+10 (dBm)
Material	ABS+Aluminum Alloy	Display Resolution	• Linear: 0.1%, Logarithmic: 0.01 dBm
Uncertainty	±5%	Battery Life	≥48 hours of continuous operation
Frequency Identification	0Hz, 270Hz, 1000Hz, 2000Hz	Charging Time	≤3 Hours (Full Battery)
Charging Voltage/Current	3 AA Alkaline Batteries	Auto Shutdown Time	Powers down after 10 minutes of inactivity to save energy
Power Supply Mode	Built-in lithium battery, rechargeable via USB	Battery Capacity	1500mAh
Net Weight	0.200 kg	Package Size	14X8X7 cm

Press "IN+REF+UNIT" at the same time to enter user mode. The letters "CAL" are displayed at the bottom of the screen



Function	Button	Remarks
Increase by 0.05dB	REF	*1.01158
Decrease 0.05dB	UNIT	*0.99855
Save	Power on button	
Switching wavelengths	λ	
Restore factory settings	REF+UNIT	Display "FAC" and while reading the The default value is read into the array.

Snap-on protective cover

Safe protection of interface components.
Effective protection against dust contamination.



Back support frame

Adjustable angle support bracket on the back.
Easy to view screen information.

