

# 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:  $\geq 48$  hours of continuous operation
- Charging Time: Fully charges in  $\leq 3$  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

<b>Standard Wavelengths</b>	850/980/1300/1310/1490/1550/1625 nm	<b>Measurement Range</b>	-70~+10 (dBm)
<b>Material</b>	ABS+Aluminum Alloy	<b>Display Resolution</b>	<ul style="list-style-type: none"> <li>Linear: 0.1%, Logarithmic: 0.01 dBm</li> </ul>
<b>Uncertainty</b>	±5%	<b>Battery Life</b>	≥48 hours of continuous operation
<b>Frequency Identification</b>	0Hz, 270Hz, 1000Hz, 2000Hz	<b>Charging Time</b>	≤3 Hours (Full Battery)
<b>Charging Voltage/Current</b>	3 AA Alkaline Batteries	<b>Auto Shutdown Time</b>	Powers down after 10 minutes of inactivity to save energy
<b>Power Supply Mode</b>	Built-in lithium battery, rechargeable via USB	<b>Battery Capacity</b>	1500mAh
<b>Net Weight</b>	0.200 kg	<b>Package Size</b>	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

