VFL -Visual Fault Locator

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Variants

20MW (Chargeable) 20 MW 10 MW 50 MW 30 MW

Details

The **Visual Fault Locator (VFL)** is an essential fiber optic testing tool used by technicians, ISPs, telecom engineers, and FTTH installers to quickly identify fiber breaks, bends, faulty connectors, and continuity issues.

Using a high-visibility **650nm red laser source**, the VFL allows easy fault detection by making light leakage visible at damaged points along the fiber. It is ideal for troubleshooting, maintenance, installation, and fiber identification in both single-mode and multimode fiber networks.

Laser Wavelength	**650nm**
Output Power	**30mW**

Distance

Up to 30km

Connector

2.5mm Universal

Key Features

? Quick Detection of Fiber Breaks & Faults

? Continuous (CW) & Pulsed Laser Modes

? Suitable for Field & Outdoor Applications

? Long Battery Operating Time

? Durable Aluminum Alloy Housing

? Universal 2.5mm Fiber Connector Interface

? Fiber Identification & Continuity Testing

? Includes Protective Carry Case

Applications

Fiber Break Detection

FTTH Installation & Maintenance

- Fiber Connector Inspection
- Fiber Route Identification
- Patch Panel Troubleshooting
- ISP & Telecom Network Maintenance

Technical Specifications

Parameter	Value
Product Type	Visual Fault Locator (VFL)
Laser Wavelength	650 nm
Emitter Type	FP-LD Laser Source
Maximum Output Power	30 mW
Distance Range	1–30 km (Single Mode), >5 km (Multimode)
Operating Modes	Continuous (CW) & Pulsed
Connector Type	Universal 2.5mm (FC / SC / ST)
Power Supply	2 × AA Batteries
Housing Material	Aluminum Alloy
Dimensions	175 × 26 mm
Weight	173 g

Note:

The VFL is one of the most important tools for fiber optic installation and troubleshooting. It enables technicians to quickly locate breaks, bends, bad splices, and faulty connectors, reducing maintenance time and improving network reliability.

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