Fiber Identifier - Live Identifier

Fiber Identifier (Live Identifier)

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Variants

Identifier OPM VFL

Details

The **D-2000 Fiber Optic Identifier** is a professional **4-in-1 fiber optic testing instrument** designed for FTTH, ISP, telecom, CATV, enterprise networks, and data center maintenance. It combines a **Fiber Identifier, Optical Power Meter (OPM), Visual Fault Locator (VFL), and live fiber detection** into one compact handheld device.

Using advanced **non-destructive optical detection technology**, the D-2000 identifies live optical fibers without interrupting network traffic. It accurately detects optical signal direction, modulation frequency, optical power levels, and fiber continuity, making it an ideal tool for fiber installation, troubleshooting, maintenance, and network verification.

Functions

4-in-1

Detection Range

+13 ~ -50 dBm

VFL Power

10 mW

Display

Color LCD

Key Features

? 4-in-1 Fiber Testing Instrument

? Fiber Identifier + Optical Power Meter + Visual Fault Locator

? Non-destructive Live Fiber Detection

? Supports Single Mode (SM) & Multi Mode (MM) Fiber

? Detects Signal Direction & Modulation Frequency

? Built-in Optical Power Meter (OPM)

? Built-in 10mW Visual Fault Locator (VFL)

? Supports 250?m, 900?m, 2mm & 3mm Fiber

? Low Battery Warning

? Portable Handheld Design

4-in-1 Integrated Functions

Function	Description
Fiber Identifier	Non-destructive live fiber identification with signal direction detection.
Optical Power Meter	Measures optical power from +26 dBm to -50 dBm.
Visual Fault Locator	10mW red laser for locating fiber breaks, bends, and faults.
Live Fiber Detection	Detects CW, 270Hz, 1kHz and 2kHz modulation signals.

Fiber Identifier Specifications

Parameter	Specification
Operating Wavelength	800 – 1700 nm
Detector Type	InGaAs
Supported Fiber	250?m, 900?m, 2mm, 3mm
Modulation Frequency	CW, 270Hz, 1kHz, 2kHz
Detection Range	+13 to -50 dBm
Signal Direction	+13 to -35 dBm
Frequency Detection	+13 to -30 dBm

Optical Power Meter (OPM)

Parameter	Specification
Supported Wavelength	850, 1300, 1310, 1490, 1550, 1625 nm
Measurement Range	+26 to -50 dBm
Measurement Units	dBm / dB / xW
Resolution	0.01 dB
Accuracy	? ±0.5 dB
Connector	?2.5 mm Universal

Visual Fault Locator (VFL)

Parameter	Specification
Laser Wavelength	650 ±10 nm
Output Power	?10 mW
Connector	?2.5 mm Universal

General Specifications

Parameter	Specification
Display	Color LCD

Parameter	Specification
Power Supply	2 × AA Batteries
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Dimensions	220 × 38 × 28 mm
Weight	145 g (without battery)

Applications

- FTTH Installation & Maintenance
- ISP Fiber Network Testing
- Telecommunication Networks
- Optical Fiber Troubleshooting
- Fiber Distribution Cabinets
- Data Centers
- Enterprise Fiber Networks
- Fiber Repair & Commissioning

Why Choose the D-2000 Fiber Optic Identifier?

The D-2000 combines four essential fiber optic testing functions into one lightweight handheld device. It enables technicians to identify live fibers without service interruption, accurately measure optical power, locate fiber faults, and verify signal direction. Its compact design, wide wavelength support, and professional-grade performance make it an ideal solution for FTTH deployment, ISP maintenance, telecom operations, enterprise networking, and data center fiber management.

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