D-TECH Power Meter OPM-VFL-50

VFL Output Power: 10mW Battery with Type-C charging port

D-TECH Power Meter OPM-VFL-50

Variants

OPM+VFL 10mW

Details

The **OPM-VFL-50 Optical Power Meter + VFL** is a multifunction fiber optic testing instrument that combines accurate optical power measurement with a built-in visual fault locator, making it ideal for fiber installation, maintenance, troubleshooting, and network verification.

Designed for FTTH, telecom, ISP, CATV, and enterprise fiber networks, the device features a high-sensitivity **InGaAs detector**, wide wavelength coverage from **800nm to 1700nm**, multiple VFL power options, and a compact handheld design for field technicians.

Wavelength Range

800-1700nm

Measurement Range

-50 ~ +26dBm

VFL Wavelength

650nm

Battery Life

Up to 48 Hours

Key Features

? Optical Power Meter and Visual Fault Locator integrated into one device

? Wide wavelength measurement range from 800nm to 1700nm

? High-sensitivity InGaAs detector with 0.01 dBm resolution

? Supports CW and 2Hz tone detection

? Universal 2.5mm connector compatible with FC, SC and ST adapters

? Optional RJ45 cable testing and LED flashlight functions

Technical Specifications

Parameter	Specification
Model	OPM-VFL-50
Product Type	Optical Power Meter + VFL

Parameter	Specification
Connector	2.5 mm Universal (FC / SC / ST)
Wavelength Range	800 ~ 1700 nm
Test Wavelengths	850, 980, 1270, 1300, 1310, 1490, 1550, 1577, 1625 nm
Probe Type	InGaAs
Measurement Range	-50 ~ +26 dBm
Display Resolution	0.01 dBm
Accuracy	±5%
VFL Wavelength	650 nm
VFL Output Power	1 / 5 / 10 / 15 / 20 / 25 / 30 mW
Spectral Width	±10 nm
Fiber Mode	SM / MM
Tone Detection	CW, 2 Hz
RJ45 Cable Test	Supported (Optional)
LED Flashlight	Supported (Optional)
Auto Power Off	10 Minutes
Power Saving Mode	1 Minute
Memory Function	Shutdown Memory Supported

Parameter	Specification
Calibration	Self-Calibration Supported
Backlight	Adjustable
Protection	Rubber Protective Case
Power Supply	3 × AA Batteries
Battery Life	Up to 48 Hours
Dimensions	69 × 119 × 31 mm
Weight	0.157 kg
Operating Temperature	-10°C ~ +60°C
Storage Temperature	-25°C ~ +70°C

Applications: Fiber installation, FTTH deployment, optical network maintenance, telecom testing, ISP operations, CATV networks, fiber troubleshooting, and data center connectivity verification.

Highlights: Integrated Optical Power Meter and Visual Fault Locator with optional RJ45 cable testing and LED flashlight functions for versatile field use.

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