

OP - 01 Optical Multimeter

OP-01



Overview

DIMENSION optical probe integrates OPM (optical power meter), VFL (visual fault locator), RJ45 cable tracker and sequence test and other functions. The optical probe is easy-to-use, and it can easily handle with the construction of various communication networks and different test scenarios. Thanks to the unique probe-type and non-contact universal interface design, field engineers do not need to carry a wide variety of other fiber patch cords, all tests can be completed with one optical probe.

Benefits

- Non-contact and Probe Power Test
- No Extra Patch Cords Required
- Ultra-fast Power ON, Always Ready for Use
- Integrated with Visual Fault Locator
- Support RJ45 Cable Sequence Test
- Unique LED Lighting
- Compatible with USB Transfer, Allowing to Save Data to PC

Technical Specification

Characteristics	OP-01
OPM	
Fiber adapter	2.5mm and 1.25mm universal adapters LC, SC Folding probes
Detector type	InGaAs
Wavelength range	780/850/980/1260/1310/1490/1550/1625/1650nm
Power range	Probe: +6~-70dBm(Typ.) Detection Arm: +6~-55dBm(Typ.)
Maximum input power meter	+13dBm
Linearity	Probe: $\pm 0.5\text{dB}$ (+5~-60dBm) Detection Arm: $\pm 0.5\text{dB}$ (+5~-50dBm)
Repeatability	Probe: $\pm 0.05\text{dB}$ Detection Arm: $\pm 1.00\text{dB}$
Uncertainty	$\pm (5\%+500\text{pW})$
Test type	dBm、dB、mW、 μW 、nW
Display resolution	0.01dB
Return loss	>55dB
Test result storage	1000
Fiber type	SM/MM
VFL	
Wavelength	650nm $\pm 30\text{nm}$
Output power	$\geq 1\text{mW}$
Fiber adapter	2.5mm and 1.25mm universal adapters
Power supply	
Power supply	Built-in Li-ion battery (chargeable)
Battery life	>8h

Notes

1. It is necessary to control the variables of test conditions to ensure the consistency of test conditions.

Order Information

ID Number	Description
#97572	FHOM-201 Power Meter + Laser Source Handheld Optical Multimeter with 2.5mm FC/SC/ST Connector
#97573	FHOM-202 Optical Power Meter + Visual Fault Locator with 2.5mm Universal Connector
#121427	FHOM-103 Handheld Optical Multimeter Built-in 1mW Visual Fault Locator
#131746	FHOM-103-1 Handheld Optical Multimeter Built-in 1mW Visual Fault Locator with Data Export Function
#160782	OP-01 Handheld Optical Multimeter Built-in 1mW Visual Fault Locator with RJ45 Cable Sequence Test