



Fiber Test UTP

Mini Optical Power Meter, Visual Fault Locator
& RJ45 connection tester



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Introduction

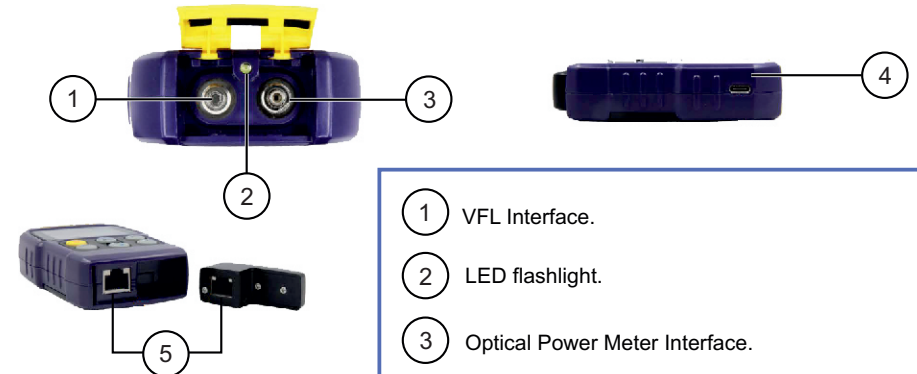
The PROLITE-24 is a multifunctional optical power meter. It integrates the functions of a Visual Fault Locator (VFL) and RJ45 Ethernet Cable Tester. It also has a flashlight. Its small size (pocket size) makes it a very lightweight, strong and durable tool. It is an instrument that is specially suitable for applications such as FTTx broadband installation and maintenance tests and comprehensive tests of fiber optic network cable.

Description of the controls and elements.



- 1 Short press to turn on / long press to turn off (Short press to turn off the Auto-off function when starting up); In user calibration mode, short press to save the current calibration value.
- 2 Backlight switch used to turn on/off the backlight.
- 3 Switches VFL on/off, short press to switch CW/1Hz / 2Hz; Short press in user calibration mode to decrease 0.05dB.
- 4 Short press to switch measurement unit among dBm, dB and mW; Long press to set current measurement value as reference value; Short press in user calibration mode to increase 0.05dB.
- 5 Short press to switch the measurement unit between dBm, dB and mW; Long press to select current measurement value as reference value; Short press in calibration mode to increase 0.05 dB.
- 6 Select measurement wavelength: 850/1300/1310/1490/1550/1625/1650 nm

Description of the controls and elements.



- 1 VFL Interface.
- 2 LED flashlight.
- 3 Optical Power Meter Interface.
- 4 Type-C USB (Internal control).
- 5 RJ45 interface and RJ45 far-end module, used for network line sequence pairing.

Specifications	
OPTICAL POWER METER	
Detector type	InGaAs
Calibrated Wavelength	850 / 1300 / 1310 / 1490 / 1550 / 1625 / 1650 nm
Measurement range	From -70 dBm to +6 dBm
Frequency identification	270 Hz / 330 Hz / 1 kHz / 2 kHz
Resolution	0.01 dBm
Accuracy	± 5 %
Measurement units	dBm / dB / mW
Measurement modes	Normal or based on a user-defined reference value
Optical connector	2.5 mm universal interface (support FC, SC and ST connectors)
VISUAL FAULT LOCATOR	
Output wavelength	650 nm ±3 nm
Output power	2 mW
Output mode	CW / 1 Hz / 2 Hz
Optical port	2.5 mm universal interface (support FC, SC and ST connectors)
TESTER ETHERNET	
Connection	Connection of the ends of the ethernet cable to the remote module, and to the equipment
Operating mode	Sequential test of the 8 wires of the RJ-45 cable
OTHERS	
Display	Backlit LCD
Flashlight	LED flashlight
Calibration	Selectable calibration mode
POWER SUPPLY	
	3 x AAA batteries
	Auto power-off 10 minutes
MECHANICAL FEATURES	
Dimensions	67 (W.) x 104 (H.) x 28 (D.) mm
Weight	140 gr