

FHO1500 Last Mile Explorer



Description:

With the rapid development of fiber to home network, the installation and maintenance of the last mile fiber has become a problem. Maintenance personnel often do not need large dynamic OTDR, but need OTDR for testing short distance optical network.

For the weak light problem in the last mile, no matter how short the optical fiber distance is, the fault point can be accurately located. With the excellent 1m/4m deadzone performance, all kinds of continuous connectors, attenuation loss and other events that may appear in the last mile can be clearly distinguished.

FHO1500 last mile explorer is equipped with high-precision online test OTDR, optical power meter (including 10G PON 1490nm and 1577nm test respectively), stable laser source, 10mw VFL, RJ45 line sequence measurement and other functions. At the same time, it has bluetooth wireless connection and supports pairing with mobile phones.

Features:

- 3.5 inch color LCD, portable design and easy to carry.
- Multi function integration, support 10mw VFL, stable laser source, 10GPON power meter, optical power meter, RJ45 line sequence test and other functions.
- High precision, short deadzone OTDR can accurately test all kinds of continuous connectors and attenuation points in the line.
- The built-in dark optical fiber of OTDR can measure the attenuation at the near end of the line and the insertion loss of the first connector.
- Support live fiber test (1625nm or 1650nm is optional).
- Simple mode and expert mode are convenient for application in different scenarios.



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- Bluetooth connection of mobile phone supports fast transmission of test files to mobile phone.
- Mobile phone remote control, control OTDR test and curve view analysis through the mobile phone.

Specifications:

Items	Specifications
Fiber type	SMF (ITU-T G.652)
Wavelength	1625nm or 1650nm
Dynamic range	7dB
Test range	1km/2km/5km
Pulse width	5ns/10ns/30ns
Event deadzone ^①	≤1m
Attenuation deadzone ^①	≤4m
Refractive index	1.468
Sampling points	20000
Sampling accuracy	0.05m (1km)
Distance accuracy	±(1m+test distance×3×10 ⁻⁵ +sampling resolution) (excluding IOR uncertainty)
Loss accuracy	0.1dB
Linearity	0.1dB
Reflectance accuracy	±2dB
Event display	1) Fiber end 2) Reflection event 3) Splice loss
VFL	Working wavelength: 650±10nm Output: 10mW, CW/1Hz/2Hz
Stable OLS	Working wavelength: 1625nm or 1650nm Output >-13dBm, CW/270Hz/1kHz/2kHz
OPM	Calibrated wavelength: 850/1300/1310/1490/1550/1577/1625/1650nm Test range: -70~+10dBm
10G OPM	The power values of 1490nm and 1577nm can be tested respectively
RJ45 line sequence test	TIA568-A and TIA568-B standard
Optical interface	OTDR: standard SC/UPC, optional FC/UPC, FC/APC, SC/APC VFL: 2.5mm universal port OLS: share the OTDR port OPM: 2.5mm universal port
Electrical interface	RJ45 port×2, RJ45 remote module USB Type-C charging port
Wireless	Bluetooth
Data storage	Pluggable 16GB micro SD card
Battery	8000mAh lithium battery

Working humidity	0~85%(non condensing)
Working temperature	-10~+50°C
Dimension	192.9×93.8×47mm
Weight	0.58kg

Notes:

- 1, Deadzone test conditions: event deadzone return loss > -45dB, attenuation deadzone return loss > -55dB.
- 2, The product shell color is optional purple/blue/orange.



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