

LVO-TEST



online Mini-Pro OTDR is apply to FTTx and access network construction and maintenance, to test fiber breakpoint , length, loss and input light automatic detection, automatic test by one key. The tester is compact with 3.5inch colorful LCD screen, new plastic shell design, shock-proof and drop-proof. The tester also combine 8 functions with highly integrated OTDR, Event maps, Stable Light source , Optical power meter, Visual fault locator , RJ45cable sequence , IL and lighting functions. It could quick detection of breakpoint, universal connector, .600 internal storage, TF card, USB data storage and built-in 4000mAh lithium battery, USB charging .It is a good choice for long term field work .

Technical Specifications

Mini-Pro OTDR		
Model	LVO-TEST	
Wavelength	1310/1550nm	1550nm online
Fiber Type	G.652 SM Fiber	
Dynamic Range	24dB/22dB	24dB
Event Blind Zone	3m	
ATT Blind Zone	8m	
Test Range	10m~60km	
Pulse Width	5ns~10000ns	
Ranging Accuracy	±（1m+Sampling Interval +0.005%×Test Distance）	
Loss Accuracy	±0.2dB/dB	
Sampling Points	16k~128k	
Sampling Resolution	0.05m~8m	
Reflection Accuracy	±3dB	
Data Storage	Internal: ≥600; External: TF Card	
Laser Safety Level	Class II level	
File Format	SOR Standard File Format	
Connector	FC/PC（Interchangeable SC、ST）	
OPM		
Wave Range	800nm~1700nm	
Interface Type	Universal Joint FC/SC/ST	
Test Range	-50dBm~+26dBm	
Uncertainty	±5%	
Frequency Identification	CW/270/330/1k/2kHz	
Calibration Wavelength	850/1300/1310/1490/1550/1577/1625nm	
LS		
LD Type	FP-LD	
Output Wavelength	1310/1550nm	1550nm
Output Power	≥-5dBm	
Modulation Frequency	CW/270/1k/2kHz	
Stability	CW， ±0.5dB/15min（Test after 15mins of preheating）	
Connector	FC/APC（Interchangeable SC、ST）	

VFL	
Work Wavelength	650nm±20nm
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/SC/ST
RJ45 Sequence	
Other Parameters	
Display	3.5 inch Color LCD
Data Interface	Micro USB
External Storage	TF Card
Power Supply	Polymer Li-battery: 3.7V, 4000mAh Power Adapter: 5VDC, 2A
Battery Life	Standby>20h; Measuring Time>12h
Operating Temperature	-10°C~+50°C
Storage Temperature	-40°C~+70°C
Relative Humidity	0~95% Non Condensing
Weight	≤350g
Dimension	175mm×82mm×42mm
Functions: OTDR/Event map/OPM/LS/VFL/IL/RJ45 Sequence/Lighting	

Note: 1. Test Temperature 25°C±2°C, Maximum pulse width, Average time ≥3min.

2. Test conditions of Event Blind Zone are minimum range, minimum pulse width, reflection loss of optical end ≥45dB, typical value

Configuration List

NO	Name	Qty	Remark
1	Host	1	Battery Include
2	Adapter	1	
3	Data Line	1	
4	User Manual	1	
5	SC/UPC Connector	1	
6	Calibration Certification	1	
7	Qualification Certificate/Service Guarantee Card	1	
8	Clean Cotton Slices	10	
9	Instrument Bag	1	

User's Manual

Warning

When using this instrument, please do not look directly at the optical interface or the end of the optical fiber with your eyes avoid eye damage! Except for 1625nm/1650nm, all the others are non-on-line test wavelength. it will cause damage to the internal devices of the instrument if it is used forcibly! Any change or modification not explicitly permitted in this manual will deprive you of the right to operate the equipment. To reduce the risk of fire or electric shock, do not expose the equipment to thunderstorm or humid environment. In order to prevent electric shock, do not open the shell, it must be repaired by the qualified personnel designated by the manufacturer.

Attention

Battery: The battery in the machine is a special 1lithium-ion polymer battery. The charging voltage is 5v, and the charging temperature ranges from 0°C~50°C. when the ambient temperature is too high the charging will automatically terminate, The instrument battery should be charged every one month to avoid battery failure due to self-discharge after long time storage. The temperature range of the battery during long-term storage is -20c~45°C.

Please use the special AC adapter attached to this instrument and use the external power supply strictly according to the specifications, otherwise the equipment may be damaged.

Fiber End Face Cleaning: Before testing. clean the end face of the tested optical fiber joint with alcohol-cotton.

LCD screen: The display of this series of instruments is 3.5 inch color LCD. In order to maintain good viewing effect, please keep the LCD screen clean and clean. When cleaning, the LCD screen can be cleaned by wiping with soft fabric.