

Robust machine for fiber optical projects



FEATURES

- ※ 4.3-inch color TFT LCD display, with Touch
- ※ Dual – Wavelength OTDR 1310/1550nm
- ※ 12 Functional Modules
- ※ LS- Stable Laser Source
- ※ VFL – Visual Fault Locator
- ※ Optical Power Meter (OPM) -50~+26dBm
- ※ Event Map (iLOM)
- ※ RJ45 Ethernet Cable Sequence Measurement
- ※ Fault Location

MORE INFO

OTDR / Event Map

Auto OTDR: no complex settings, one key test;
Expert OTDR: professional test mode, curve, list, map display at the same time;
50dB isolation, 1850nm on-line test.

Laser Ranging

42m precision ranging, ±2mm test accuracy;
Support area, volume, angle, speed etc;
Multi test mode, store measurement data

RJ45 Cable Tracker

Digital radar tracking, strong anti-jamming ability;
According to the distance of target, the prompt frequency is different;
Support online tracking; tracking by line pair

RJ45 Cable Length

RJ45 cable sequence test, cable length test;
The maximum distance is 300 meters

SPECIFICATIONS

Main Feature	34.3" LCD, 1310nm / 1550nm, 35dB/33dB, OTDR + VFL + LS + OPM + iOLM (Event Map)+ RJ45 Cable length Test, Laser Ranging
	OTDR
Fiber Type	G.652
Wavelength	1310±20nm/ 1550nm/ ±20nm
Dynamic Range	35dB / 33dB
Event Blind Range	1.2m
ATT Blind Zone	5m
Test Range	500m / 1km/2km/4km/8km/16km/32km/64km/100km
Pulse Width	3ns ~ 20µs
Ranging Accuracy	± (1m+sample interval +0.005% x Test Distance)
Linearity	≤0.05dB/dB
Sampling Points	16k ~ 256K
Sampling resolution	0.05m~8m
Loss Resolution	0.0001dB
Loss Threshold	0.01dB
Range Resolution	0.001m
Refractive Index	1.00000~2.00000, 0.00001 Step
Reflection Accuracy	±3dB
File Format	SOR Standard file Format
Loss Analysis	4-Point method/ 5-Point method
Loss Safety Level	Class II
Connector	FC/UPC (Interchangeable SC, ST)
Refresh Rate	3Hz(Typ)
Multitasking	Support
	OPM
Wavelength Range	800nm ~1650nm
Connector	Universal Joint FC/SD/ST
Test Range	-50dBm~+26dBm
Uncertainty	±5%
Frequency Identification	CW/270/330/1K/ 2kHz/2kHz (Use inner LS)
Calibration wavelength	850nm/980nm/1300nm/1490nm/1550nm/1625nm/1650nm
Wave Recognition	Support

	LS
Wavelength	Consistent with OTDR
Laser Type	FP-LD
Power	≥-5dBm
Stability	CW, ±0.5dB/15min (After 15Min of Preheating)
Connector	FC/UPC (Interchangeable SC, ST)
Mode	CW/270Hz/330Hz/1kHz/2kHz
Wave Recognition	Support

	VFL
Wavelength	650nm ±20nm
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/SC/ST
Laser Safety Level	Class III
	RJ45 Cable Tracker
Mode	Digital / Analog Tracking
Test Distance	≥ 300m
Online / Line Pair Tracking	Support
	Laser Ranging
Test Range	0.05 ~ 40m
Accuracy	±2.0mm
Laser Type	620 ~ 690nm
Laser Safety Level	Class II, < 1mW
	Others
Display	4.3-inch, 800x 480, ISP TFT -LCD, Multi touch capacitive touch Screen
Data Storage	Internal Storage: 8GB, ≥ 20 thousand curves & Interface USB Type C
Power Supply	Polymer Li-Battery: 3.7V, 4000mAh, Adapter: 5VDC, 2A
Battery working Hrs.	High Brightness, Continuous test > 8 hours
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Relative Humidity	0 ~ 95% Non-Condensing
Weight	≤ 400g (Including Battery)
Size	174mm x 92mm x 45mm

PACKAGE

S.No	Name	Qty	Remark
1	Host	1	Battery Include
2	Adapter	1	
3	Data Line	1	
4	CD-ROM (Analysis Software)	1	
5	User's Manual	1	
6	SC/UPC	1	
7	Qualification Certificate	1	
8	Calibration Certificate	1	
9	Clean cotton Slices	10	
10	Instrument Backpack	1	