Technical specifications

OTDR														
Model	S1	S2	D0	D1	D2	D3	D4	T1	T2	T3	T4	F1	M1	SM1
Type	SM												MM	SM/MM
Wavelength	1650nm		1310/1550nm					1310nm /1490nm /1550nm	1310nm /1550nm /1625nm		1310nm /1550nm /1650nm	1310nm /1490nm /1550nm /1625nm	850nm /1300nm	850nm /1300nm /1310nm /1550nm
MaxDynamicRange(dB)	33	38	32/30	35/33	38/36	42/40	45/43	38/36/36	32/30/30	42/40/40	42/40/40	37/35/35/35	26/28	26/28/35/33
Event Blind Zone[a]	1m					0.8m		0.8m	1m	0.8m	0.8m	1m	1m	
ATT Blind zone[b]	5m					4m		4m	5m	4m	4m	5m	5m	
Test Range	100m/500m/1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km/420km													
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us													
Ranging accuracy[c]	±（0.75m+ Sample interval +0.005%×Test distance）													
Loss accuracy	±0.001dB													
Max Sample Points	≥256k													
Sample Resolution	0 05m~ 4m													
Reflection Accuracy	0.03dB/dB													
File Format	SOR Standard File Format													
Loss Analysis	4-point method /5-point method													
Laser Safety Level	Class II													
Data Storage	≥12GB													
Connector	FC/UPC（Interchangeable SC、ST）													
OPM														
Wavelength range	800nm~1700nm													
Connector	Universal FC/SC/ST													
Test scope	-50dBm~+26dBm (标配) /-70dBm~+10dBm													
Uncertainty	±5%													
Calibration wavelength	850nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm													
LS														
Wavelength	Consistent with OTDR output wavelength													
Output power[d]	≥-5dBm													
Stability	CW，±0.5dB/15min（Test after 15 minutes of preheating）													
Connector	FC/UPC（Interchangeable SC、ST）													
VFL														
Wavelength	650nm±20nm													
output power	≥10mW													
Mode	CW/1Hz/2Hz													
Connector	FC/UPC（Interchangeable SC、ST）													
The Optical Loss Test index refers to the above light source and optical power meter index.														
Others														
Display	7 inch color touch screen, resolution 1024X600													
Power supply	AC/DC adapter：Input：100V～240V，50/60Hz，0.6A，Output：12V~19V，1.5A，Lithium battery：7.4V，5200mAh													
working mperature	-10℃～+50℃													
Storage temperature	-40℃～+70℃													
relative humidity	0～95%，Non Condensing													
Weight	≤1.2kg													
Size	227mm×160mm×70mm													
Data interface	USB-A x 2, Type-C port, RJ45 LAN 100/1000Mbit/s													
Power dissipation	≤6W													
Functions of Host：OTDR/OPM/VFL/LS/Event Map/Fiber End Detection /Ethernet Remote/Network test														

Note：a.Using 3ns pulses, the reflection coefficient is typical of -35dB to -55dB.
b.Using a 3ns pulse, the reflection coefficient is a typical value of -55dB (1310nm).
c.Uncertainties caused by the refractive index of light are not included.
d.The output power of the MM 850/1300nm light source is about -24dBm, and the output power of the special 1650nm (38dB) light source is about -24dBm.

Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	
2	AC/DC power adapter	1	
3	U disk (containing analysis software/ User's Manual)	1	
4	Data line	1	
5	OTDR SC adapter	1	
6	OPM SC adapter	1	

NO.	Name	Quantity	Remarks
7	User's Manual	1	
8	Calibration certification	1	
9	Certificate/ Warranty card	1	
10	Clean cotton piece	10	
11	Leather knob	1	
12	Special backpack for instrument	1	

High performance OTDR



Product overview

Series high-performance OTDR adopts 7-inch color screen, which makes the operation easier. It integrates multifunction functions to help customers solve the communication link field test and later maintenance more effectively. The maximum dynamic range is 45dB. It can be penetrated through the light splitter to effectively improve the performance in PON network test.

Series are mainly used to measure the length, loss and connection quality of optical fiber and cable. It is widely used in engineering construction, line maintenance test, emergency repair, development and production measurement of optical fiber and optical cable. It is mainly used in urban trunk line, backbone network and metropolitan area network.

Product features

- Quad-core processor, Linux system, smooth control
- HD multi-touch capacitive screen, resolution 1024X600
- The min event blind area is 0.8m, the max dynamic range is 45dB
- PON network splitter test, up to 1/64 support
- Large storage capacity, internal storage >12GB
- Standard SOR file output format
- Generate PDF test and diagnosis report with one click
- The file name can be output in both Chinese and English
- Integrate OTDR/VFL/LS/OPM/Event Map/Loss Test/End Face Identifie/Ethernet Remote/Network test

7 inch screen
Human-computer interaction enrichment

Detection of online test
Caution function

Support Chinese and English input

Report printing
Files batch processing

Multi wavelength simultaneous test
Results automatic analysis