OTDR Series

Basic Instrument Series

Modular Test Equipment

Fiber Health Monitor System

Technical specifications

OTDR

Model	S0	S1	S2	S3	S4	T1	T2	T3	T4	T5	T6	F1	M1	SM1	SM2
Type	SM												MM	SM/MM	
Wavelength	1310/1550nm					1310nm /1490nm /1550nm		1310nm /1550nm /1625nm		1310nm /1550nm /1650nm		1310nm /1490nm /1550nm /1625nm	850nm/ 1300nm	850nm /1300nm /1310nm /1550nm	
MaxDynamicRange(dB)	32/30	35/33	38/36	42/40	45/43	32/30/30	37/35/35	32/30/30	37/35/35	32/30/30	37/35/35	37/35/35/35	26/28	26/28/35/33	26/28/37/35
Event Blind Zone	0.8m					0.8m	0.5m	0.8m	0.5m	0.8m	0.5m	0.5m		1m	
ATT Blind zone	4m					4m	3.5m	4m	3.5m	4m	3.5m	3.5m		6m	
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	± （0.75m+ Sample interval+0.0025%×Test distance)														
Loss accuracy	±0.03dB/dB														
Sample Points	≥256k														
Sample Resolution	0.015m~16m														
Reflection Accuracy	±2dB														
Loss Resolution	0.001dB														
Loss Threshold	0.01dB														
File Format	SOR Standard File Format														
Loss Analysis	4-point method /5-point method														
Laser Safety Level	Class II														
Refresh Rate	4 Hz (Typ.)														
Data Storage	Internal storage: 2GB, 200,000curves; External storage:64GB														
Connector	FC/UPC （Interchangeable SC、ST)														
Data Interface	USB-A、Type-C port、RJ45 LAN 10/100Mbit/s														

OPM

Wavelength range	800nm~1700nm
Connector	Universal FC/SC/ST
Test scope	-50dBm~+26dBm/-70dBm~+6dBm
Uncertainty	±5%
Calibration wavelength	850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm

LS

Laser Type	FP-LD
Wavelength	Consistent with OTDR output wavelength
Output power	≥-5dBm (SM fiber)
Mode	CW/270Hz/1kHz/2kHz
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 LCD + touch screen Resolution：800×480
Power supply	Type-C adapter：Input：100V～240V，50/60Hz ,Output:5V/3A,9V/2A,12V/1.5A Lithium battery：3.7V,10400mAh
working mperature	-10℃~+50℃
Storage temperature	-40℃~+70℃
relative humidity	0~95%，Non Condensing
Weight	≤1.2kg
Size	215mm×160mm×50mm
Functions of Host: OTDR/VFL/LS/OPM/Event Map/End Detection/Optical Loss Test/Ethernet test/Remote test/File management	

Configuration list

NO.	Name	Quantity	Remarks		NO.	Name	Quantity	Remarks
1	Host	1			7	User's Manual	1	
2	AC/DC power adapter	1			8	Calibration certification	1	
3	U disk (containing analysis software/ User's Manual)	1			9	Certificate/ Warranty card	1	
4	Data line	1			10	Clean cotton piece	10	
5	OTDR SC adapter	1			11	Leather knob	1	
6	OPM SC adapter	1			12	Special backpack for instrument	1	

6200 series high-performance OTDR

Product overview

6200 series OTDR adopt 7 inch capacitance touch screen, which integrates 9 modules. With excellent intelligent hardware and software design, the accuracy of short fiber test and automatic test is higher. . It is equipped with rich Ethernet test (Ping/PPOE, etc), support APP control.

6200 series is used to test the optical fiber length, loss and connection quality, and used in the engineering construction, link maintenance test, They are mainly used in urban trunk, bone trunk network and metropolitan area network.

Product features

- 0.5m Event Dead Zone
- Support SM/MM/SM+MM test
- Online detection, effective APD active protection
- PON network online test
- Support fast charging protocol and power bank
- Maximum dynamic range 45dB
- Ethernet test, supporting Ethernet Remote Test
- Mobile APP wireless operation
- Integrate OTDR/VFL/LS/OPM/Event Map/End Detection/Optical Loss Test/Ethernet test/ Remote test/File management

7 inch screen
Key + touch operation mode

Detection of online test
Caution function

Two languages input
Nomenclature in Chinese and English

Report printing
Files batch processing

Multi wavelength simultaneous test
Results automatic analysis

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