

S2112 Optical Time Domain Reflectometer

Multi-Functions: OTDR / OPM / LS / VFL / OFD / Event Map / OLT / Ethernet Test / Remote Test / File Management

Key Features

- Dynamic range up to 45dB, <1m ultra-short event blind zone
- Online detection, effective APD active protection
- Support SM/MM/SM+MM test
- Support fast charging protocol and power bank
- Ethernet test, support Ethernet remote test
- Mobile APP wireless operation
- Multi wavelength simultaneous test, automatic data storage
- 7 inch color LCD touch screen, button/ touch dual operation
- Integrate OTDR/OPM/LS/VFL/End Detection/Event Map/Optical Loss Test/Ethernet Test/Remote Test/File Management

Typical Applications

- FTTx test
- CATV network testing
- Access network testing
- LAN network testing
- Metro network testing
- Lab and factory testing
- Live fiber troubleshooting



Saluki S2112 series Optical Time Domain Reflectometer adopts 7 inch capacitance touch screen, which integrated 9 modules. With excellent intelligent hardware 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.

S2112 series is used to test the optical fiber length, loss and connection quality, and used in the engineering construction, link maintenance test. It is mainly used in urban trunk, bone trunk network and metropolitan area network.

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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 (nm)	1310/1550					1310/1490/1550		1310/1550/1625		1310/1550/1650		1310/1490/1550/1625	850/1300	850/1300/1310/1550	
Max. Dynamic Range (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	37/35/35/35/35	26/28	26/28/35/33	26/28/37/35
Event Blind Zone	0.8m		0.5m			0.8m	0.5m	0.8m	0.5m	0.8m	0.5m	0.5m	1m		
Attenuation Blind Zone	4m		3.5m			4m	3.5m	4m	3.5m	4m	3.5m	3.5m	6m		
Measuring Accuracy	±(0.75m + Sampling interval + 0.0025% x Test distance)														
Test Range	0.1/0.5/1.25/2.5/5/10/20/40/80/125/260/420km														
Pulse Widths	3/5/10/20/30/50/80/100/200/300/500/800/1000/2000/3000/5000/8000/10000/20000ns														
Sampling Points	≥256k														
Sample Resolution	0.015m - 16m														
Loss Accuracy	0.03dB/dB														
Loss Resolution	±0.001dB														
Loss Threshold	0.01dB														
Reflection Accuracy	±2dB														

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Optical Interface	FC/UPC (Interchangeable SC / ST)
File Format	SOR (standard format)
Loss Measurement Mode	4-point method / 5-point method
Laser Safety Level	Class II
Data Storage	Internal: 2GB (200,000 curves), External: 64GB
Refresh Rate	4Hz (typ.)
Data Interface	USB-A, Type-C port, RJ45 LAN 10/100MBit/s
OPM	
Wavelength Range	800nm - 1700nm
Connector	Universal FC/SC/ST
Measurement Range	-50dBm to +26dBm or -70dBm to +6dBm
Uncertainty	±5%
Calibration Wavelength	850/980/1300/1310/1490/1550/1625/1650nm
LS	
Laser Source	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
Standard Output Power	≥ 10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC / ST)
The Optical Loss Test index refers to the above LS and OPM index.	

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General Information

Display	7 inch color LCD touch screen, Resolution 800x480, English Interface
Battery	3.7V / 10400mAh Lithium battery
Power Supply	Type-C adapter: input 100V-240V, 50/60Hz output 5V/3A, 9V/2A, 12V/1.5A
Environment	Operating Temperature: -10 to +50°C / Storage: -40 to +70°C, Relative humidity: 0 - 95% non condensation
Dimension / Weight	215mmx160mmx50mm / ≤1.2kg

Standard Package

Num	Item	Qty
1	S2112 OTDR Host	1 Set
2	Power adaptor	1 PC
3	U Disk (containing client simulation analysis software)	1 PC
4	Data line	1 PC
5	OTDR SC adapter	1 PC
6	OPM SC adapter	1 PC
7	User manual	1 PC
8	Certificate of quality	1 PC
9	Alcohol clean cotton sheet	10 PC
10	Leather knob	1 PC
11	Special backpack for instrument	1 PC

Attention: The OTDR interface type is standard FC/UPC, FC/APC optional if needed. Due to the need for improvement, the above contents are subject to change without notice.