

SKYSHL

OTDR--SS303T Series

Optical Time Domain Reflectometer



Shenzhen SKYSHL Technology Co.,LTD.

www.skyshl.net

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SKYSHL 1310nm/24dB+1550nm/22dB SM Fiber OTDR Tester (Built-in OPM+OLS+VFL+Event Map) 3.5inches Touch Screen OTDR Testing Compatible with SC+FC+ST+LC/UPC&APC Connector

Optical time domain reflectometry (OTDR) is an important fiber testing tool used to study the performance of new fiber links and detect problems with existing fiber links. SKYSHL has recently developed the SS303T series OTDR based on years of experience in fiber optic instrument research and development. It is equipped with a 3.5-inch high-definition color display and integrates functions such as OTDR, OPM, OLS and VFL, RJ45 line sequence tester, RJ45 network cable finder and other functions.

Technical Specifications

Mini-Pro OTDR	
Model	SS303T
Wavelength	1310/1550nm
Fiber Type	G.652 SM Fiber
Dynamic Range	24dB/22dB
Event Blind Zone	2m
ATT Blind Zone	6m
Test Range	3m~70km
Pulse Width	5ns~10000ns
Ranging Accuracy	$\pm (1m + \text{Sampling Interval} + 0.005\% \times \text{Test Distance})$

Loss Accuracy	±0.2dB/dB	
Sampling Points	16k~86k	
Sampling Resolution	0.7m	
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	
Calibration Wavelength	850/1270/1300/1310/1490/1550/1577/1625nm	
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 after15mins 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, 1A
Battery Life	Standby>20h; Measuring Time>12h
Operating Temperature	-10℃~+50℃
Storage Temperature	-40℃~+70℃
Relative Humidity	0~95% Non Condensing
Weight	≤400g
Dimension	173mm×85mm×42mm
Functions: OTDR/Event map/OPM/LS/VFL/IL/RJ45 Sequence/Lighting	

Note: ① Test Temperature 25℃±2℃, 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

SS303T-2A1

No.	Name	Qty	Description
1	SS303T OTDR Tester	1	Main Machine
2	Lithium Battery	1	3.7V 4000mah (Installed on the machine)
3	AC/DC Adapter	1	100-240V AC=5V DC
4	USB Cable	1	Type C USB to USB
5	FC Adapter	1	For OTDR/OLS (Installed on the machine)

6	2.5mm Universal Port	2	For OPM and VFL (Installed on the machine)
7	SC Adapter	1	For OTDR/OLS
8	FC/UPC-FC/UPC Patch Cord	1	For OTDR/OLS/OPM/VFL
9	FC/UPC-FC/APC Patch Cord	1	For OTDR/OLS/OPM/VFL
10	FC(Female)-LC(Female) SX	1	Accessory
11	FC(Female)-SC(Female) SX	1	Accessory
12	FC(Female)-FC(Female) SX	1	Accessory
13	FC(Female)-ST(Female) SX	1	Accessory
14	2,5mm Cotton Swab Cleaning Rod	1	For SC+ST+FC
15	Suitcase	1	Accessory
16	User' s Manual	1	Accessory
17	RJ45 Wire Tracker	1	Accessory



SS303T-2A2

No.	Name	Qty	Description
1	SS303T OTDR Tester	1	Main Machine
2	Lithium Battery	1	3.7V 4000mah (Installed on the machine)
3	AC/DC Adapter	1	100-240V AC=5V DC
4	USB Cable	1	Type C USB to USB
5	FC Adapter	1	For OTDR/OLS (Installed on the machine)
6	2.5mm Universal Port	2	For OPM and VFL (Installed on the machine)
7	SC Adapter	1	For OTDR/OLS
8	ST Adapter	1	For OTDR/OLS
9	LC Adapter	1	For OTDR/OLS
10	FC/UPC-FC/UPC Patch Cord	1	For OTDR/OLS/OPM/VFL
11	FC/UPC-FC/APC Patch Cord	1	For OTDR/OLS/OPM/VFL
12	FC(Female)-LC(Female) SX	1	Accessory
13	FC(Female)-SC(Female) SX	1	Accessory
14	FC(Female)-FC(Female) SX	1	Accessory
15	FC(Female)-ST(Female) SX	1	Accessory
16	2,5mm Cotton Swab Cleaning Rod	1	For SC+ST+FC
17	Suitcase	1	Accessory
18	User' s Manual	1	Accessory
19	RJ45 Wire Tracker	1	Accessory



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