ST3200D OTDR

5.6 Inch Color Touch LCD

32/30db Dynamic Range

20h Super Long Standby

ST3200D series optical time domain reflectometer is a new generation of portable and intelligent measuring instrument for testing optical fiber communication system. Adopt 5.6 inch color touch screen, button/touch dual operation; Internal integration of eight major functional modules, multi-functional integration to help customers effectively solve the field test and maintenance; 20 hours long standby, efficient protection of test dimension continuous.

Applications: It is mainly used to measure the length, loss and connection quality of all kinds of optical fibers and cables, and can be widely used in engineering construction, line maintenance and testing, emergency repair, and the development and production of optical fibers and cables.

The design concept of multifunctional integration, precision testing and convenient operation makes the field test operation simple.

Product Features

High Performance Test

5.6 inch color TFT LCD display, touch / key dual operation
Dynamic range: 32/30dB
Less than 0.8 meters ultra short event blind area testing optical fiber jumper freely
Signal optical detection function (Effective protection of APD)

Multifunctional Test - Standard Configuration
OTDR
Stable laser source
Visual red light fault location (VFL)
Optical power meter (OPM)

Convenient operation
One key automatic test
Unique diagnostic function for test results
Multi wavelength simultaneous testing function

Convenient data processing
English and Chinese input function
Automatic data storage
SOR batch processing
Remote upgrade function

High reliability
20h super long standby
1.5meter drop test
Waterproof and splash proof
Operating temperature -10℃~50℃

Technical Specifications

Model	ST3200D
OTDR	
Fiber Type	G.652
Wavelength	1310nm±20nm/1550nm±20nm
Dynamic Range	32dB/30dB
Event Blind Zone	1m
ATT Blind zone	6m
Test Range	500m/1 km/2km/4km/8km/16km/ 32km/64km/12 8km/256km
Pulse Width	5ns/10ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1000ns/3000ns/5000ns/8000ns/10000ns/20000ns
Ranging accuracy	±(0.75m+ Sample interval +0.005 % x Test distance)

Loss accuracy	±0.05dB/dB
Sample Points	16k～256k
Sample Resolution	0.05m~16m
Reflection Accuracy	±3dB
File Format	SOR Standard File Format
Loss Analysis	4-point method /5-point method
Laser Safety Level	Class II

NOTE:

Refresh Rate	3Hz(Typ.)
Data Storage	Internal storage：100M (<3000 curves)；External：4G bit
Connector	FC/UPC (Interchangeable SC、ST)
Data Interface	USB、Mini-USB、10M/100M Ethernet Port

OPM

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

LS

Wavelength	Consistent with OTDR output wavelength
Output Power	≥-5dBm
Stability	CW, ±0.5dB/15min (Test after 15 minutes of boot-up preheating)
Connector	FC/UPC (Interchangeable SC、ST)

VFL

Wavelength	650nm±20nm
Output power	≥2mW
Mode	CW/IHz/2Hz
Connector	FC/SC/ST

Others

Display	5.6 inch color LCD + touch screen
Power Supply	AC/DC Adapter：Input：100V～240V, 50/60Hz, 0.6A Output：12V-19V, 1.5A Li-Battery：7.4V, 5200mAh
Battery working hours	≥10h
Operating Temperature	-10°C ～+50°C
Storage Temperature	-40°C ～+70°C
Relative Humidity	0 ～95 %, Non Condensing
Weight	≤1.2kg
Size	208/mmx 110mmx56mm

Note:Test temperature is 25°C±2°C, the maximum pulse width; average time is more than 30s.
Test conditions of Event Blind Zone are minimum range, minimum pulse width, reflection loss of optical fiber end surface (> 45dB), typical value.

Configuration List

NO.	Name	Quantity	Remarks
1	Host	1	Battery included
2	AC/DC adapter	1	
3	U disk(including analysis software/User's manual)	1	
4	Touch pen	1	
5	Data line	1	
6	OTDR SC adapter	1	
7	OPM SC adapter	1	
8	Fast operating manual	1	
9	Instruction manual	1	
10	Calibration certification	1	
11	Certificate/warranty card	1	
12	Clean cotton piece	10	
13	Leather knob	1	
14	Special backpack for instrument	1	