

# ST3200C Serials OTDR



5.6 Inch Color Touch LCD

45dB Dynamic Range

20h Super Long Standby

SM/MM



8function modules  
meet all your test



IOLM  
Intelligent Optical  
Link Mapper



Signal detection  
Effective protection  
of APD



Remote upgrade  
latest technical  
support



SOR Batch processing  
Data fast processing

ST3200C 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; The highest 45 dB dynamic range, can penetrate optical splitter, effective PON network testing; Intelligent power-saving management, 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: 35/33dB, maximum to 45dB

Less than 0.8 meters ultra short event blind area testing optical fiber jumper freely

Link optical nondestructive testing

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)

### Multifunctional Test - High Configuration

Intelligent Optical Link Mapper [iOLM]

Optical fiber end face detection

Optical Loss test

Fault location

### Convenient operation

One key automatic test

Unique diagnostic function for test results

Multi wavelength simultaneous testing function

Ethernet Remote control function

**Convenient data processing**

English 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°C~50°C

**Technical Specifications**

OTDR									
Model	ST3200C-A	ST3200C-B	ST3200C-C	ST3200C-D	ST3200C-E	ST3200C -F	ST3200C -G	ST3200C -H	ST3200C-I
Type	SM							MM	SM/MM
Wavelength	1310nm/1550nm				1310nm /1490nm /1550nm	1310nm /1550nm /1625nm	1310nm /1490nm /1550nm /1625nm	850nm/ 1300nm	850nm /1300nm /1310nm /1550nm
Max Dynamic Range	35/33dB	38/36dB	42/40dB	45/43dB	37/35/35dB	37/35/35dB	37/35/35/35dB	28/26dB	28/26/35/33dB
Event Blind Zone	1m	0.8m	0.8m	0.8m	0.8m	0.8m	0.8m	1m	1m
ATT Blind zone	6m	6m	6m	6m	6m	6m	6m	6m	6m
Test Range	500m/1 km/2km/4km/8km/16km/ 32km/64km/12 8km/256km								
Pulse Width	3ns/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								

Refresh Rate	3Hz(Typ.)
Data Storage	Internal storage: 100M (<3000 curves) ; External storage: 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/1490nm/1550nm/1625nm/1650nm

LS	
Laser Type	FP-LD
Wavelength	Consistent with OTDR output wavelength
Output Power	>-5dBm
Stability	CW, ±0.5dB/15min (Test after 15 minutes of preheating)
Connector	FC/UPC (Interchangeable SC、ST)

VFL	
Wavelength	650nm±20nm
Output power	>2mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC> ST)

**The Optical Loss Test index refers to the above LS and OPM index.**

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
Working Temperature	-10°C ~+50°C
Storage Temperature	-40°C ~+70°C
Relative Humidity	0 ~95 %, Non Condensing
Weight	≤1.2kg
Size	227mmx 160mmx70min

**Functions of Host: PON OTDR/OPM/VFL/LS/ Event Map/Fiber End Detection (Additional purchase detector)/Optical Loss Test**

**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	

## Pictures

