ST3200 OTDR

--- Optical Time Domain Reflectometer

. Overview

ST3200 OTDR (Optical Time Domain Reflectometer) is an intelligent optical fiber communication tester. This tester is easy to use and portable, which has a 3.5-inch color LCD touching screen. It also possesses events intelligent analysis and more user—friendly operation.

It is an ideal test instrument for the fiber testing and troubleshooting. It can test the length of optical fiber and optical fiber cable attenuation coefficient. It can exactly display the loss distribution curve of the optical fiber and cable as well as the loss between two points and the joint loss. It also can test the distance between two points and the position of joint, fault point as well as breaking point. This tester has VFL (Vision Fault Locating) system. So it becomes convenient to test the fault location of jumper wire.

□. Main functions

- Test the distance between two points and dynamically display the distance between two cursors
- Test the loss between two points and the loss constant of the optical fiber and cable
- Test the joint loss
- Auto-optimization and quick response
- Search for the event points automatically
- The function of wave form storage: it can store the wave form data and test condition into the disk and the stored information also can display again.
- Support the function of copy: it can copy the data file which is built in the internal disk into the U-disk directly.

□. Specifications

General Specifications	
Optical output connector	FC-PC (standard)
Display screen	320×240　3.5 inch colored LCD (touch screen)
Port	USB port
Environmental requirement	Working environment temperature: 0~50℃ Storing environment temperature: -20~60℃ Relative humidity: 0%～95% (non-condensing)
Dimension	D×W×H: 220mm×105mm×60mm
Weight:	about 1 kg
Duration of the battery	Standby: >50h Testing Time: >20h

Key Tech Specifications		
Sub Models	ST3200-3528	ST3200-3532
Wavelengths	1310nm/1550nm±20nm	
Dynamic Range	28/26dB	32/30dB
Range(km)	1, 2, 4, 8, 15, 30, 60, 90, 120	1, 2, 4, 8, 15, 30, 60, 90, 160
Fiber Under Test	single mode	
Pulse Width(ns)	10/20/50/100/200/500/1us/2us/5us/10us/20us/Auto	
Working Current	450-600mA	
Power Consumption	About 4 W	
Event Dead Zone	≤2m	
Attenuation Dead Zone	≤10m	
The VFL output power	>2mW	
The capacity of storing waveform	>10000	
Degree of Linearity(dB)	±0.05	

Loss Threshold(dB)	0.01
Loss Resolution(dB)	0.01
Sampling Resolution(m)	0.16~5
Averaging Time	5s, 15s, 30s, 1min, 2min, 3min
Power Consumption	<3W
Alarm with light	>1uw(-30dbm)
Distance Uncertainty	± (1m+sampling interval + range×0.005%)

□. Compositions of the tester

■ Basic composition

Items	Names	Quantity
host	ST3200 OTDR	1
Standard accessory	Battery charger	1
	User manual	1
	CD (including ST3200 imitated analysis software)	1
	USB Data Cable	1
	Carrying Bag	1

■ Optional modules

Order numbers	Operating wavelength	Type of the testable optical fiber	Dynamic range（SNR=1）
ST3200-3528	1310nm/1550nm ±20nm	SMF single mode	28/26dB
ST3200-3532	1310nm/1550nm ±20nm	SMF single mode	32/30dB

■ Options

NO.	Names	Type and specification	Specification
1	SC		Adapter
2	ST		Adapter

Ⅴ. Pictures

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