

OTDR Series

Basic Instrument Series

Modular Test Equipment

Optical Cable Patrol Analyzer

Technical specifications

OTDR								
4200(Live test)								
Model	G.652 SM							
Number	F1	F2	F3	F4	F5	F6	F7	F8
Wavelength	1310/ 1550nm±20nm		1610±20nm		1625nm±20nm		1650nm±20nm	
Dynamic Range	20dB	26dB	20dB	26dB	20dB	26dB	20dB	26dB
Event Blind Zone	1.5m							
ATT Blind Zone	8m							
Test Range	100m/300m/500m/1.25km/2.5km/5km/10km/20km/40km/80km/100km							
Pulse Width	5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1µs/2µs/3µs/5µs/8µs/10µs/20µs							
Ranging Accuracy	±(1m+Sample interval+0.005%×Test distance)							
Linearity	±0.05dB/dB							
Max Sample Points	≥20000							
Max Sample Resolution	≤0.03m							
Loss Resolution	0.01dB							
Loss Threshold	0.20dB							
Range Resolution	0.01m							
Refractive Index	1.00000~2.00000							
File Format	SOR Standard File Format							
Loss Analysis	4-point method /5-point method							
Laser Safety Level	Class II							
Connector	SC/PC							

OPM	LS	Others
Wave Range 800nm~1700nm	Wavelength Consistent with OTDR	Display 4.3 inches 800 X 480 LCD
Calibration Wave 850/1300/1310/1490/1550/1625/1650nm	Laser Type Consistent with the OTDR interface	Power Supply AC/DCadapter:Input:100V~240V, 50/60Hz, 0.6A output:5V, 2A, Lithium battery:3.7V, 4000mAh
Test Range -70~+10dBm(Optional),-50~+26dBm(Standard) -40~+26dBm (XGPON OPM)	Power ≥-5dBm	Data Storage 8GB
Resolution 0.01dB	Stability CW, ±0.5dB/15min (After15min of preheating)	Data Interface Type-C USB
Uncertainty ±5%	Connector SC/PC	Working Temperature -10°C~+50°C
Connector Universal FC/SC/ST	Mode CW/270Hz/330Hz/1kHz/2kHz	Storage Temperature -40°C~+70°C
VFL	RJ45 Cable Sequence	Relative Humidity 0~95% Non Condensing
Wavelength 650nm±20nm	Test Distance ≤300m	Weight ≤400g (Battery included)
Output Power ≥10mW	RJ45 Cable Tracking	Size 144mm X 86mm X 33mm
Mode CW/1Hz/2Hz	Mode Digital tracking	
Connector Universal FC/SC/ST	Distance ≤300m	
	Online Tracking support	

Standard configuration: OTDR, Event Map, OPM, LS, VFL, RJ45 cable tracker(Including Cable Tracker), RJ45 Cable Sequence, Flashlight

Note: 1550nm test capability with live: can test fiber with 1310/1490/1577nm signal (power ≤+5dBm)
 1610nm test capability with live: can test fiber with 1310/1490/1550nm signal (power ≤0dBm)
 1625nm test capability with live: can test fiber with 1310/1490/1550/1577nm signal (power ≤0dBm)
 1650nm test capability with live: can test fiber with 1310/1490/1550/1577nm signal (power ≤+5dBm)

Configuration list

Host(Battery included),Adapter, Data Line, Cable Tracker, CD-ROM(Analysis software/User's Manual),User's Manual,Qualification Certificate/ Service Guarantee Card,Calibration Certificate,Clean Cotton Slices,Instrument Backpack.

4200 Mini OTDR



Product overview

4200 Mini OTDR with live test is compact and easy to carry; 4.3-inch high-definition touch screen, supports multi-touch and smooth operation. Internal integration OTDR, event map, split-wave OPM, red light, light source, flashlight, RJ45 sequence and other functions in one, to meet different occasions a variety of test needs. The OTDR function is standard with single wavelength and built-in efficient wavelength isolator, which can carry out optical test on the link, with the minimum event blind area of 1.5m and the maximum measurement range of 100km.

4200 is used to measure the length, loss, connection quality and other parameters of the optical fiber. It can easily test the breakpoint, bend, and loss point of the optical fiber link. It is suitable for line maintenance and emergency repair testing by installation and maintenance personnel.

Product features

- 4.3-inch touch capacitive screen, clear display, smooth control
- Event blind area ≤1.5m, max dynamic range ≥26dB
- Live test (1550nm support 1490/1577nm live test)
- Support RJ45 sequence and track
- XGPON OPM supports 1490/1577nm Power is accurately measured simultaneously
- Bluetooth communication, support mobile APP wireless control and data sharing
- Integrated OTDR, Event map, XGPON OPM, VFL, LS, RJ45 sequence and other functions

100km precision test 1.5m event blind area	Easy online test Multifunction integration	One button automatic test Results automatic analysis	Software remote upgrade Batch export of data files	12h super long standby -10~+50°C operating temperature

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