Technical specifications

OTDR					
Model	**S**	**D**	**F1(live test)**	**F2(live test)**	**T(live test)**
Type	G.652 SM				
Wavelength	1550nm	1310/1550	1310nm	1550nm	1610nm
Dynamic Range	24dB	26dB/24dB	26dB	24dB	22dB
Event Blind Zone	2.5m				
ATT Blind Zone	8m				
Test Range	500m/1km/2km/4km/8km/16km/32km/64km/100km				
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1μs/2μs/3μs/5μs/8μs/10μs/20μs				
Ranging Accuracy	±(1m+Sample interval+0.005%×Test distance)				
Linearity	≤0.05dB/dB				
Sample Points	16k~128k				
Sample Resolution	0.05m~8m				
Loss Resolution	0.001dB				
Loss Threshold	0.20dB				
Range Resolution	0.001m				
Refractive Index	1.00000~2.00000				
Reflection Accuracy	±3dB				
File Format	SOR Standard File Format				
Loss Analysis	4-point method /5-point method				
Laser Safety Level	Class II				
Connector	FC/UPC (Interchangeable SC、ST)				
Refresh Rate	3Hz (Typ.)				
Multitasking	Support				

OPM	
Wave Range	800nm~1700nm
Calibration Wave	850/980/1300/1310/1490/1550/1625/1650nm
Test Range	-70~+10dBm(Optional)/-50~+26dBm(Standard)
Resolution	0.01dB
Uncertainty	±5%
Frequency Identification	CW/270/330/1k/2kHz(Use inner LS)
Connector	Universal FC/SC/ST
Wave Recognition	Support

VFL	
Wavelength	650nm±20nm
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC、ST)
Laser Safety Level	Class III

LS	
Wavelength	Consistent with OTDR
Laser Type	FP-LD
Power	≥-5dBm
Stability	CW, ±0.5dB/15min (After15min of preheating)
Connector	FC/UPC (Interchangeable SC、ST)
Mode	CW/270Hz/330Hz/1kHz/2kHz
Wave Recognition	Support

Optical Loss Test	
Wavelength	Consistent with LS
IL Test	Support

RJ45 Cable Tracking	
Mode	Digital tracking
Distance	≤300m
Online/Line Pair Tracking	Support

RJ45 Cable Length	
Test Distance	≤300m

Others	
Display	4.3 inches 800×480 IPS TFT - LCD Multi touch capacitive touch screen
Power Supply	AC/DCadapter:input:100V~240V, 50/60Hz, 0.6A output:5V, 2A, Lithium battery:3.7V, 4000mAh
Battery Working	Continuous test>12 h
Data Storage	Internal storage:8GB, ≥20 thousand curves
Data Interface	USB Type C
Working Temperature	-10℃~+50℃
Storage Temperature	-40℃~+70℃
Relative Humidity	0~95% Non Condensing
Weight	≤0.5kg (Battery included)
Size	173mm×109mm×45mm

Standard configuration:Auto OTDR, Expert OTDR, Event Map, OPM, LS, VFL, RJ45 Cable Tracking(Including Cable Tracker), RJ45 Cable Sequence, RJ45 Cable Length, Microscope(Optional), Flashlight,Optical Loss Test

注:F1 can test fiber with 1490/1550nm signal (power ≤0dBm)
F2 can test fiber with 1310/1490/1577nm signal (power ≤+5dBm)
T can test fiber with 1310/1490/1550nm signal (power ≤0dBm)

Configuration list

Host(Battery included), Adapter, Data Line, 8G TF card(built-in OTDR, Analysis software/User's Manual), User's Manual, SC adapter, Cable Tracker, Qualification Certificate/ Service Guarantee Card, Calibration Certificate, Clean Cotton Slices, Instrument Backpack

Mini Pro OTDR



Product overview

Series OTDR adopts 4.3-inch capacitive touch screen. It integrates 12 functions, such as auto OTDR, expert OTDR, event map, OPM, RJ45 cable tracker, and "computer level" file management to meet various test requirements in different occasions. OTDR has a maximum dynamic range of 26dB, 8G memory, and can store more than 200,000 curves; it is equipped with 4000mAh high-density polymer lithium battery, intelligent power saving management, measuring time of more than 8 hours, and supporting power supply and charging of the power bank.

Series are used to measure the length, loss, connection quality and other parameters of optical fiber. It is widely used in FTTX, secondary backbone network engineering construction, maintenance and emergency repair test, and production measurement of optical fiber and cable.

Product features

- Expert OTDR:Professional measurement, curve/list/map are displayed simultaneously
- Auto OTDR: no complex settings, one key test
- OPM supports CW/270/330/1k/2kHz frequency identification
- VFL and LS can run in the background, multi task can be operated simultaneously
- LS supports CW/ modulation mode output with adjustable output power
- RJ45 cable tracker of digital radar, stronger anti-jamming ability
- Auto OTDR, expert OTDR, event map, OPM, LS, VFL, RJ45 cable tracking, RJ45 cable sequence, RJ45 cable length, microscope, flashlight optical loss test
- RJ45 cable sequence/ cable length test, up to 300m
- One click screen capture, easy to save the interface

Multi-touch
Support gesture
zoom in and out curve

Microscope
HD imaging

LS DUT OPM
Optical loss test
Insertion loss test

File management
Computer level
management

20h standby
Ultra wide
operating temperature