Technical specifications

OTDR					
Model	**S1**	**S2**	**D**	**F1(live test)**	**F2(live test)**
Type	G.652 SM				
Wavelength	1310nm±20nm	1550nm±20nm	1310/1550±20nm	1310nm±20nm	1550nm±20nm
Dynamic Range	24dB	22dB	24dB/22dB	24dB	22dB
Event Blind Zone	3m				
ATT Blind Zone	8m				
Test Range	500m/1km/2km/4km/8km/16km/32km/64km				
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1μs/2μs/3μs/5μs/8μs/10μs				
Ranging Accuracy	± (1m+Sample interval+0.005%×Test distance)				
Linearity	±0.2dB/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)				

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
Connector	Universal FC/SC/ST

VFL	
Wavelength	650nm±20nm
Output Power	⩾10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC、ST)

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

RJ45 Cable Sequence & Length	
Test Distance	⩽300m

RJ45 Cable Tracking	
Mode	Digital tracking
Distance	⩽300m
Online Tracking	Not support

Others	
Display	3.5 inches 320×480 LCD
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 : ⩾600 ; External : TF card
Data Interface	Mini USB
Working Temperature	-10°C~+50°C
Storage Temperature	-40°C~+70°C
Relative Humidity	0~95% Non Condensing
Weight	⩽350g (Battery included)
Size	173mm×82mm×37mm

Standard configuration: OTDR, Event Map, OPM, LS, VFL, RJ45 cable tracker(Additional purchase tracker), RJ45 Cable Sequence&Length, Flashlight

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

Configuration list

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

Mini Pro OTDR



Product overview

Mini Pro Series Optical Time Domain Reflectometer adopts 3.5 inch color display screen. The UI operation interface is simple and easy to operate. It integrates OTDR, Stable Light Source, Optical Power Meter, Visual Fault Location, Cable Sequence, Cable Length, Cable Tracker and Flashlight. It adopts intelligent power saving management, 12 hours of super long measurement time to ensure the field test and maintenance work efficiently.

The instrument is used to measure the length, loss, connection quality and other parameters of all kinds of optical fiber and cable. When there is optical signal in the line, it can still be used. The maximum test power with light is -5dBm. It can be widely used in engineering construction, link maintenance test and emergency repair of communication system of optical fiber communication system.

Product features

- Fiber link with ⩽-5dBm optical signal, easy to test
- 3m event blind area, easy test 3m jumper
- Long endurance, 12 hours of measurement time
- Hand-held design, easy to carry
- Brand new rubber sleeve, shockproof, fall proof
- USB, rechargeable with portable battery
- OTDR/LS/OPM/VFL/RJ45 Cable Sequence/Cable length/RJ45 tracker/Flashlight

60km precision test
3m event blind area

Easy online test
8 functions integration

One button automatic test
Results automatic analysis

Software remote upgrade
Batch export of data files

20h super long standby
-10~+50°C operating temperature