Optical Time Domain Reflectometer

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This series of OTDR is a multi-functional optical measuring instrument, which integrates OTDR, event map, optical power meter, visual fault location, light source, optical loss test, cable line length / sequence test, cable tracking and other functions. It has touch screen and heys. It is the right assistant for optical cable construction, installation and maintenance, project acceptance and on-site repair.

High-performance cpu, fast speed, smooth operation

Support dual-wavelength test Measurable macro bending

Small blind area, Short fiber test results are good

Support transmitting optical fiber, End fiber setup

OT curve list is displayed in full screen

Multiple sampling points high accuracy

OTDR

Transmitting fiber, End fiber

Dual wavelength test

Short fiber test

Technical Specifications

OTDR

Model	A	B	C	D	E	F	G	M
Type	SM							MM
Wavelength (±20nm)	1310/1550	1310/1550	1550	1610	1625	1625	1650	850/1300
Dynamic Range	26/24dB	30/28dB	24dB	24dB	26dB	30dB	30dB	22/24dB
Event Blind Zone	1.5m	1.5m	1.5m	1.5m	1.5m	1.5m	1.5m	1.5m
ATT Blind Zone	8m	8m	8m	8m	8m	8m	8m	8m
Distance range	0.1/0.3/0.5/1.25/2.5/5/10/20/40/80/125/260km							
Distance unit	km、mi、kft							
Pulse Width	5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/ 1us/2us/3us/5us/8us/10us/20us							
Ranging Accuracy	±(0.75m+Sample interval+0.0025%×Test distance)							
Loss Threshold	0.001dB							
Linearity	±0.03dB/dB							
Sample Points	≥160k							
Sample Resolution	0.015m~16m							
File Format	SOR Standard File Format							
Loss Analysis	4-point method /5-point method							
Laser Safety Level	Class Ⅱ							
Connector	FC/UPC（(InterchangeableSC、ST、LC)							

LS

Wavelength	Consistent with OTDR
Power[①]	≥-5dBm
Mode	CW/270Hz/1kHz/2kHz
Laser level	CLASS 1M
Optical output port	OTDR port

RJ45 Cable Tracker

Distance	300m

RJ45 Cable Length

Distance	300m

Notes：①Except for special wavelengths such as 850/1300nm。

VFL

Wavelength	650±20
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Laser Safety Level	Class 3R
Connector	Universal optical interface (2.5mm)

OPM

Calibration Wave	850/980/1300/1310/1490/1550/1625/1650nm
Test Range	-50dBm～+26dBm
Uncertainty	±5%

LED flashlight

Others

Display	4.3colourTFT LCD WVGA(Multi touch capacitive touch screen) resolving power：800*480pixel
Data Interface	Type-C、RJ45×2 LAN 10M/100M bit/s
Data Storage	Storage：8GB（≥20000curves) File Format：SOR
Size	173×109×45mm
Weight	≤0.5kg
environment condition	Working Temperature：-10℃～+50℃
	Storage Temperature：-40℃～+70℃
	Relative Humidity：0～95%Non Condensing
	Altitude：4000m or less
Power requirements	DC USB power supply (Type-C) 5V±10%，maximum2A
Battery type capacity	Type: polymer lithium-ion battery, 5000mAh
	Charging time: 4 hours (typical value)
safety standards	EN61010-1
Laser safety	IEC/EN 60825-1：2007 GB7247.1-2012
EMC	Radiation standard:EN61326-1 Class A
	Immunity:EN61326-1 Table2
language	Customizable in Chinese, English and other languages

Function configuration:OTDR,event map,OPM, VFL, LS,optical loss test,RJ45 cable tracker, RJ45cable sequence, RJ45 cable length test,flashlight。