



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	Mercury R.26	Mercury R.30
Wavelength (±20nm)	1310/1550	1310/1550
Dynamic Range	26/24dB	30/28dB
Event Blind Zone	1.5m	1.5m
ATT Blind Zone	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

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	TFT 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°C~+50°C Storage Temperature: -40°C~+70°C 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 English and other languages

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