BT-OTDR-65
Multi-function OTDR
Optical Time Domain Reflectometer

OTDR

Optical signal detection

Laser Source

Optical power meter

WIFI

Visual fault locator

Loss test

UTP Cable test

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◆ 5.4 inch IPS touch screen, 1920x1152 resolution
◆ OTDR Auto testing, event map, easy to use
◆ Stable laser source, optical power meter and visual fault locator
◆ Report saved as SOR, PDF format etc
◆ Network cable length measurement, up to 3km
◆ UTP cable test & RJ45 TDR cable test
◆ Digital cable tracer
◆ Android system, WIFI testing
◆ PING test, PPPOE, IP scan, port flashing etc network test

Application

Multi-function OTDR is an essential tool for fiber length, network and cable testing. OTDR displays the power of the returned signal related to distance. The information can be used to confirm the transmission quality of a fiber optic link. It is widely used in the maintenance, construction and monitoring of cable line.

It can measure the optical fiber length, transmission attenuation of optical fiber, attenuation of splice, and failure location, etc. the Multi-function OTDR can make working conditions safer and increasing productivity.

• Fiber length testing and Event Map etc
• Network cabling project installation and maintenance

Features

Wavelength (nm) **Optional ***	1310/1550
Dynamic range(dB)² **Optional***	28/26
Pulse width (ns)	5,10,20,30,50,80,160,300,500,800,1000,2000,4000,6000,10000,20000
Testing range	≤150 Km
Event blind zone (m)³	≤2m
Attenuation blind zone (m)³	≤10m
Linearity (dB/dB)	±0.05 dB/ dB
Loss threshold (dB)	0.05
Loss resolution ratio (dB)	0.01
Minimum distance resolution	0.05
Sampling point(K)	32-128
Distance uncertainty (m)	$\pm(1\ m + 5\times10^{-5}\times$ distance + sampling interval$)$
Distance scope (km)	0.5,1,2,5,10,25,50,100,200
Typical real-time refreshing duration	1s
File format	SOR standard format/PDF/EXCEL
Measurement duration	5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable
Storage	FLASH (EMMC) + TF card
Interface type	SC-PC

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Remarks:

1. The technical specification describes the ensured performance of the instrument when using typical PC model connector to measure, without considering the uncertainty caused by optical fiber refractivity.

2. Dynamic range is the data measured under the condition of the maximum pulse width and 3 minutes of average time. Dynamic range is the data measured under the condition of 200km/20000ns/3min.

3. Measuring conditions of blind zone: reflection event is within 5KM, reflection strength is 45dB. Measured by the minimum pulse width.

4. TF card not included

Size & Display	5.4 inch IPS touch screen, 1920x1152 resolution
Power output	5V 2A power output, as power bank.
UTP cable test	Test UTP cable connection status and display on the screen. Read the number on the screen. Detect the near-end, mid-end and far-end fault point of RJ45 cable connector, also can test shield cable
Length measurement	Network cable length measurement, up to 3km
Optical power meter	Wavelength:1625nm,1550nm,1490nm,1310nm,1300nm,850nm, measurement range ,-70 ～+6dBm, for optical power testing and Fiber link loss relative measurement
Visual fault locator	10mW visual fault locator with 650nm wavelength, emit red laser sources to test multi-mode and single mode fiber's bending and breakage, test range 8KM

Stable laser source		
Output wavelength	1310/1550	1550
Output power	-5dBm~0dBm adjustable	
Frequency	270Hz/330Hz/1kHz/2kHz	
Stability	CW，±0.2dB/15min (Test after boot for 15min)	

Power	
External power supply	Type-C 5V（2A）
Battery	Built-in 7.4V Lithium ion battery, 5200mAh.
Rechargeable	After charging 3 hours, normal working time 6 hours

Parameter	
Operation setting	Language: English, Chinese
Auto off	5-30 (mins)

Working environment	
Working Temperature	-10℃---+50℃
Working Humidity	30%-90%
Dimension/Weight	183mm x 110mm x 36.5mm /0.45kg

Note:"*"sign means functions are customizable！ The data above is only for reference and any change of them will not be informed in advance. For more detailed technical inquiries, please feel free to contact us

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Packing List

1) Tester
2) Digital cable tracer
3) Type-C power cable

Operating System	Android
Stable laser sources	√
Optical power meter	√
Visual fault locator	√
OTDR Interface type	SC-PC
1000M LAN port	√
Dual LED light	√
UTP cable test	√
RJ45 TDR cable test	√
USB power output	5V 2A
Digital Cable tracer	√
WIFI testing	√

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