mini OTDR

for 1550/1310 nm (28/26dB)

OTDR Technical Specifications	
Wavelength (nm)	1310/1550
Dynamic range(dB)[2]	28/26
Pulse width (ns)	5, 10, 20, 30, 50, 80, 160, 300, 500, 800, 1000, 2000, 4000, 6000, 10000, 20000
	≤105 Km
Event blind zone (m)[3]	≤1.6m
Attenuation blind zone (m)[3]	≤8m
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)	±(1 m + 5×10^{-5}× distance + sampling interval)
Distance scope (km)	0.5, 1, 2, 5, 10, 25, 50, 100, 200
Typical real-time refreshing duration	1s
	SOR standard format/PDF/ EXCEL
Measurement duration	5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable
Storage	FLASH (EMMC)8G + TF card
Interface type	SC-UPC

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.

TECHNICAL SPECIFICATIONS

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SPECIFICATIONS	
Size & Display	5.55 inch OLED screen display, 1280*720 resolution
Network Port	10/100/1000M auto adapt (optional)
RJ45 cable TDR test	Test cable's length, Max testing up to 600 meter(optional)
Power output	5V 1A power output
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
Network test	IP Scan, PPPOE, port flashing, Ping test(optional)
Linearity (dB/dB)	±0.05 dB/ dB
Optical power meter	Wavelength:1625, 1550nm, 1490nm, 1310nm, 1300nm, 850nm, measurement range, -70 ~ +6 dBm, 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

POWER	
External power supply	Type-c 5V (2A)
Battery	Built-in 3.7V 4000mA Li-ion Battery
Rechargeable	After charging 3.5 hours, normal working time 5 hours

PARAMETER	
Operation setting	Capacitive touch screen, English, Simplified Chinese, traditional Chinese
Auto off	5-30 (mins)

WORKING ENVIRONMENT	
Working Temperature	-10°C ---+50°C
Working Humidity	30%-90%
Dimension/Weight	183mm x 110mm x 36.5mm / 0.45Kg