mini OTDR

for 1550/1310 nm (28/26dB)

MODELS

PT-OTDR-100 UPC: 849160015635

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	
Testing range	≤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	
File format	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:

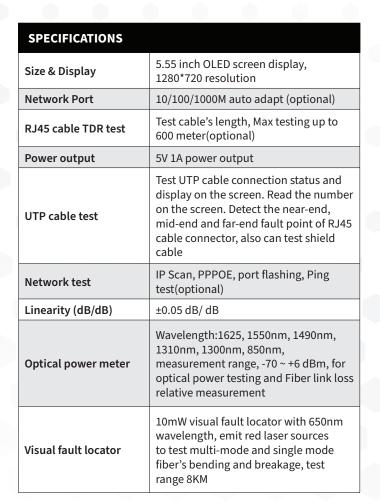
- The technical specification describes the ensured performance of the instrument when using typical PC model connector to measure, without considering the uncertainty caused by optical fiber refractivity.
- Dynamic range is the data measured under the condition of the maximum pulse width and 3 minutes 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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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

