



Optical Time Domain Reflectometer (OTDR)

■ TECHNICAL SPECIFICATION

Parameter	Specification
Type of fiber	Both Single and Multimode
Center wavelength	1310/1550 for SM ±20ns 850/1300 for MM ±20ns
Dynamic Range (dB)	30/29 , 36/35 , 40/39 for SM 22/36 for MM
Event Blind Zone	1.5m for SM 3m for MM
Attenuation blind zone	10m for both
Display type	3.5inch, color LCD, touch screen operation
Optical interface	FC/UPC (Interchangeable SC, ST)
Pulse width	10,30,50,100,275,500,1000,5000,10000ns
Test range (dB)	500m,1km,2km,4km,8km,16km,32km,64km,128km for SM 2km,4km,8km,16km,32km for MM @850nm; 2km,4km,8km,16km,32km,64km,128,256km for MM @1300nm.
Range accuracy	± (1m + sampling interval +0.005% × distance)
Data interface	USB interface
Attenuation measurement accuracy	±0.05 dB/dB
Reflection measurement accuracy	±4dB
Data storage	≥ 1000 test curves
Visual Fault Locator	650nm; 5km up to ≥2mw
Power supply mode	AC / DC adapter: AC: 100V ~ 240V (1.5A), 50/60Hz DC: 18V to 20V (2A) Internal lithium-ion battery pack: 7.4V, 4400mAh
Battery life	10 hour
Operating temperature	-5°C ~ 50°C
Storage temperature	-20°C ~ 70°C
Relative humidity	0 ~ 95%, no condensation
Weight	≤ 1kg
Volume	208mm × 110mm × 56mm

■ MAIN FUNCTIONS

Test the distance from any point of the optical fiber link to OTDR output end (origin of test);

Test the distance between any two points of the optical fiber link;

Test and display the loss of any two points in the optical fiber link and fiber attenuation constant;

Test and display the connection loss of the connection points in the optical fiber link;

Test the value of the reflection loss in the fiber link;

The automatic search function of connection point;

Test the waveform storage function;

File copy function: copy the data files stored in this machine directly to the U disk;

Electric quantity indication of smart battery;