

Portable Smart OTDR

The portable smart OTDR is providing light weighted cost effective fiber test equipment configuring VFL, light source and optical power meter function for fast test in fiber construction or maintenance work.

Features

- Light weighted, portable , economical
- One key operation, legible test data
- Suitable for field maintenance work with good dustproof, quakeproof, waterproof
- Long working time with big capacity battery
- Suitable for engineer construction and maintenance fault location for FTTX project.



Functions:

- OTDR: 1310/1550nm, 22/20dB , 0-60km
- Optical Power Meter: -70~+10dBm or -50~+16dBm
- Visual Fault Locator≥10mw
- Optical Light Source: 1310/1550nm, >5dBm

SPECIFICATION

1 Optical Light Source

Emitter	FP-LD
wavelength (nm)	1310/1550nm
Connector	FC/PC (SC/ST as optional)
Output power	≥-5dBm
Output stability(dBm)	±0.04@20°C @15min
Modulation	CW/270Hz/1KHz/2KHz
Fiber type	SM

2. OTDR

Type	TM290T
Wavelength	1310/1550nm
Dynamic Range	22/20dB
Measure distances	0-60km
Fiber type	SM
Type of Fiber	9/125um Single-mode optical fiber
Type of Connectors	FC/PC/; SC/PC
Peak Value of laser	>=30mW
UOM of Measurement	Meter,Feet,Mile
Dead Zone of Reflection Event	2m
Dead Zone of attenuation Event	12m
Accuracy Distance (Reflection Event)	About +_(1m+2 *10 ⁽⁻⁴⁾)* distance)
Number of test records saved	100
Power Supply	8.4V Li-ion Battery 4400mAH
Battery working time	>=5,000 times of measurements
Temperature	Operate :-5~50 ,Store:-10~60
Humidity	0~85%(Non-condensing)
Weight(g)	300

3. Visual Fault Locator

Wavelength :	650nm
VFL Output Power	>=10mW
Mode	0Hz, 1Hz, 2Hz
Fiber type	SM/MM

4. Optical Power Meter

Measurement range dBm	-70~+10 dBm	-50~+26 dBm
Wavelength range (nm)	800~1650	
Calibrated wavelength	850nm、1300nm、1310nm、1490nm、1550nm、1625nm (other wavelength will be on request)	
Detector	InGaAs	
Accuracy	<±3% (-10dBm、22℃)	
Resolution	Linearity: 0.1%, Non-linearity: 0.01dBm	
connector	Movable FC/PC SC/PC, (ST as Optional)	