

## IT-82 Smart Handy OTDR



### Inotech IT-82 Samrt Handy OTDR

OTDR: 1310/1550nm , 22/20dB, 0-60km

Optical Power Meter : -70~+10dbm or -50~+26dbm

Visual Fault Locator : 10mw

Optical Light Source : 1310/1550nm

### Functions:

1. OTDR: 1310/1550nm , 22/20dB, 0-60km
2. Optical Power Meter : -70~+10dbm or -50~+26dbm
3. Visual Fault Locator :  $\geq 10\text{mw}$
4. Optical Light Source : 1310/1550nm ,  $\geq -5\text{dBm}$

## Description

IT-82 Smart handy OTDR is portable fiber fault locator, it is quickly to detect fault location and type of optical fiber using OTDR element and stronger software analysis tool.

## Main Features

- Lightweight, portable, cost-effective
- One Key Operation, Legible Test Data
- Integrated with Visual Fault Locator system, it is easily to detect fault location of dead Zone
- Use the rubber Key, good dustproof, waterproof, quakeproof ability, suitable for field maintenance work
- Use big capacity battery, long working time, suitable for long time field working
- Suitable for engineer construction and maintenance fault location of FTTx and access network

## Specifications

### 1. OTDR

Type	IT-82
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 <sup>(-4)</sup> * 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

## 2. Visual Fault Locator

Wavelength :	650nm
VFL Output Power	$\geq 10\text{mW}$
Mode	0Hz, 1Hz, 2Hz
Fiber type	SM/MM

## 3. Optical Power Meter

Measurement range dBm	<del>-70~+10 dBm</del>	-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	$< \pm 3\%$ (-10dBm、22°C)	
Resolution	Linearity: 0.1%, Non-linearity: 0.01dBm	
connector	Movable FC/PC SC/PC, ( ST as Optional)	

## 4. Optical Light Source

Emitter	FP-LD
wavelength (nm)	1310/1550nm
Connector	FC/PC (SC/ST as optional)
Output power	$\geq -5\text{dBm}$

Output stability(dBm)	±0.04@20°C@15min
Modulation	CW/270Hz/1KHz/2KHz
Fiber type	SM