OTDR
HD4102D

Overview:

HD4102D is a unique Fiber Optic Mini OTDR Tester, mainly designed for the construction and maintenance of telecommunication and CATV networks. It can be widely used in engineering construction, maintenance, testing and emergency repair of all fiber optic related systems. Regularly comparing an OTDR, it is more compact in size and easier for field use

Features:

- OTDR
- EVENT MAP (similar to EXFO iLOM)
- Optical Light Source
- Optical Power Meter
- Visual Fault Locator
- Ethernet RJ45 Sequence Cable
- Ethernet Cable Distance
- Ethernet Cable Tracker
- VFL



Specifications

1. Characteristics

Item	Contents
Dimension	177mm x 82mm x 37mm
Display	3.5-inch Color LCD
Interface	Micro - USB port and TF Card interface
Power Supply	• Polymer Li-Battery: 3.7V, 4000mAh • Adapter: 5VDC, 2A
Battery Life	• Standby > 20h • Measuring time > 12h
Operating Temperature	-10°C ~+50°C
Storage Temperature	-40°C ~+70°C
Weight	≤ 350g
Technical features of OTDR module	
Wavelength (nm)	1310nm / 1550nm ± 20nm
Fiber Type	G.652
Dynamic Range	24dB/22dB
Test range	500m ~ 60Km
Pulse width	3ns ~ 10us
Ranging accuracy	± (1m+ Sampling interval +0.005%×Test distance)
Loss accuracy	±0.05dB/dB
Sampling points	16k ~128k
Sampling resolution	0.05m ~ 8m
Reflection accuracy	±3dB
Data Storage	Internal: ≥600； External: TF Card
Laser Safety Level	Class II
File format	SOR Standard file format
Connector	FC/UPC (Interchangeable SC, ST)
Technical features of the VFL function	
Wavelength (nm)	650nm±20nm
Output Power	≥ 10mW
Operation Mode	CW, 1Hz and 2Hz
Connector	FC/SC/ST
Technical features of the OPM function	
Wavelength range	800nm ~1700nm
Power Range	-50dBm ~ +26dBm
Interface Type	Universal Joint FC/SC/ST
Uncertainly	± 5%
Frequency Identification	CW/270/330/1k/2k (Hz)
Calibration Wavelength	850/980/1300/1310/1490/1550/1625/1650 nm