

HD4102DE OTDR

Optical Time Domain Reflectometer



Overviews

9 IN 1 MINI SIZE MULTI-FUNCTION OTDR

Application

- FTTX test with PON networks
- CATV network testing
- Access network testing
- LAN network testing
- Metro network testing



Specification

Mini-Pro OTDR	
Model	HDHD4102DE
Wavelength	1310nm/1550nm±20nm (1610 online test optional)
Fiber Type	G.652 SM Fiber
Dynamic Range	24dB/22dB
Event Blind Zone	3m
ATT Blind Zone	8m
Test Range	10m~60km
Pulse Width	3ns~10us
Ranging Accuracy	± (1m+Sampling Interval +0.005%×Test Distance)
Loss Accuracy	±0.2dB/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 level
File Format	SOR Standard File Format
Connector	FC/UPC (Interchangeable SC)

OPTICAL POWER METER	
Wave Range	800nm~1700nm
Interface Type	Universal Joint FC/SC/ST
Test Range	-50dBm~+26dBm
Uncertainty	±5%
Frequency Identification	CW/270/330/1k/2kHz
Calibration Wavelength	850/980/1300/1310/1490/1550/1625/1650nm
OPTICAL LIGHT SOURCE	
LD Type	FP-LD
Output Wavelength	1550nm±20nm 1310nm/1550nm±20nm
Output Power	≥-5dBm
Modulation Frequency	270/330/1k/2kHz
Stability	CW, ±0.5dB/15min (Test after 15mins of preheating)
Connector	FC/UPC (Interchangeable SC、ST)
VFL	
Work Wavelength	650nm±20nm
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/SC/ST
RJ45 Cable Length Measurement	
Test Range	300m
Other Parameters	
Display	3.5 inch Color LCD
Data Interface	Micro USB
External Storage	TF Card
Power Supply	Polymer Li-battery: 3.7V, 4000mAh Power Adapter: 5VDC, 2A
Battery Life	Standby>20h; Measuring Time>12h
Operating Temperature	-10°C~+50°C
Storage Temperature	-40°C~+70°C
Relative Humidity	0~95% Non Condensing