

FHO3000L Mini OTDR



Description:

FHO3000L mini OTDR is a multi-functional optical measuring instrument, which integrates auto OTDR, expert OTDR, event map, optical power meter, visual fault locator, adjustable stable laser source, fiber end face inspect, optical loss test, RJ45 cable length / sequence test, RJ45 cable tracking and other functions. It has 5 inches touch screen and keys. It is the right assistant for optical cable construction, installation and maintenance, project acceptance and on-site repair.

Features:

1. Twelve functions in one, smart mini multifunction OTDR
2. "Computer level" file management
3. 20hours ultra long standby time
4. 5 inch color touch screen
5. One click screenshot function
6. Automatic OTDR: one click test without complex settings
7. Expert OTDR: professional measurement, curve, list and map are displayed at the same time

Specifications:

Items	Specifications
Model	FHO3000L
Fiber type	G.652 SM fiber



Wavelength	1310nm/1550nm
Dynamic Range	26/24dB
Event deadzone	2.5m
Attenuation deadzone	8m
Test range	500m/1km/2km/4km/8km/16km/32km/64km/100km
Pulse width	3ns~20us
Distance accuracy	$\pm(1m+0.005\% \times \text{test distance} + \text{sampling resolution})$
Linearity	$\pm 0.5\text{dB/dB}$
Sampling points	16k~128k
Sampling resolution	0.05m~8m
Loss resolution	0.001dB
Distance resolution	0.001m
Loss threshold	0.20dB
IOR setting	1.00000~2.00000
Reflectance accuracy	$\pm 3\text{dB}$
File format	SOR standard file format
Loss test mode	4-point/5-point method
Laser safety level	Class II
Optical port	FC/UPC (SC, ST is optional)
Refresh rate	3Hz(Typ.)
OPM	
Working wavelength	800nm~1700nm
Calibrated Wavelength	850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm
Test range	-70~+10dBm/-50~+26dBm
Resolution	0.01dB
Accuracy	$\pm 5\%$
Frequency identification	CW/270/330/1k/2kHz(Use inner LS)
Optical port	Universal FC/SC/ST
Wavelength recognition	Support
VFL	
Wavelength	650nm \pm 20nm
Output power	$\geq 10\text{mw}$
Mode	CW/1Hz/2Hz
Optical port	FC/UPC (Interchangeable SC/ST)



Laser safety level	Class III
OLS	
Wavelength	1310nm/1550nm
Laser type	FP-LD
Power	≥ -5dBm
Stability	CW, ±0.5dB/15 min(after 15min of preheating)
Optical port	FC/UPC (Interchangeable SC/ST)
Mode	CW/270Hz/330Hz/1kHz/2kHz
Optical loss test	
Wavelength	Consistent with LS
IL test	Support
RJ45 Cable Tracker	
Mode	Digital tracking
Distance	≥300m
Online/Line pair tracking	Support
RJ45 Cable length	
Test distance	≥300m
Others	
Display	5 inches color touch screen
Data storage	8GB TF card
Data interface	USB type C
Working temperature	-10°C~+55°C
Storage temperature	-40°C~+70°C
Humidity	0~95% (No condensation)

