

F2H FHO5000 Optical Time Domain Reflectometer(OTDR)



Name: optical time domain reflectometer(OTDR)

Type: FHO5000

manufacturer: Grandway

Producing area: Shanghai

Application: Construction and maintenance

CATV network and metropolitan area optical network

Description

FHO5000 series Optical Time Domain Reflectometer(OTDR) is the new generation of intelligent meter for the detection of fiber communications systems. With the popularize of optical network construction in cities and countrysides, the measurment of optical network became short and disperse,FHO5000 is specially designed for that kind of application, its economic and also have outstanding performance.

FHO5000 is manufactured with patience and carefulness , following the national standards to combine the rich experience and modern technology, subject to stringent mechanical,electronic and optical testing,quality assurance,in the other way, new design makes FHO5000 more smart and compact and multi-purpose ,also it has various functions.

Whether you want to detect link layer in the construction and installation of optical network or proceed efficient maintenance and trouble shooting ,FHO 5000 can be your best assistant.

Features

- ◆ Integrated design ,smart and rugged.
- ◆ Small and light ,easy to carry.
- ◆ Multi-measuring mode, simple to use,finish measurment by just one button.
- ◆ Realtime measuring function, convient to monitor the splicing process.
- ◆ Warning function could prevent module of OTDR damaged by optical signal.
- ◆ Intergrated with visible fault locate system, for the convenience of the detection point in the optical network .
- ◆ Intergrated with 2 main USB and one sub USB port, for controlling by PC or connect external instructment.
- ◆ Remote accessible by network cable or USB wire.

- ◆ Support chinese and english input,friendly interface,analog keyboard capable.
- ◆ Storage more than 40000 groups curve.
- ◆ Provide data simulation software to process, generate and print report.
- ◆ Battery indicate function.
- ◆ Long working hours for outdoor operation.

Applications

- ◆ Measure the loss of splicing points, optical connectors and adapters.
- ◆ Measure the loss of single fiber or cable.
- ◆ Measure the length of cable ,set different refractive index for various fibers.
- ◆ Locate the position of broken point, Optical connector and adapter.
- ◆ Measure the discrete reflection ratio between SR points.
- ◆ Measure return loss for whole fiber circuit(including connecting points and s points).

Specification

Type	FHO5000
Testing wavelength	1310/1550nm
Dynamic range	32/30dB
Event Dead Zone	1.5m
Attenuation Dead Zone	8m
Pulse Width	3ns~10μs
Sampling Resolution	minimum 0.25m
Sampling Point	Maximum 128,000 points
Distance Accuracy	$\pm(1m+\text{measuring distance} \times 3 \times 10^{-5} + \text{sampling resolution})$
DataStorage	40000 groups of curve
Interface	Internet port, 3 USB port
Display	7 inch TFT-LCD (support touch screen function)
Battery	7.4V/4.4Ah lithium battery (with air traffic certification) , continous 5.5 hours
Working Temp	-10℃~+50℃
Storage Temp	-20℃~+75℃
Dimension	253×168×73.5mm / 1.5kg
Optonal Accessory	Optical power meter (-60~+5dBm)、visible laser source (1~7mW customizable)