

# Grandway OTDR FHO5000 series

## Optical Time Domain Reflectometer



### Description

FHO5000 Optical Time Domain Reflectometer (OTDR) is the new generation intelligent meter for the detection of fiber communication systems. With the popularity of optical network construction in cities and countryside, the requirement of testing area and distance became more dispersive & shorter, and FHO5000 is specially designed for that kind of application. It is economic and also has outstanding performance. With rich experience and modern technology, FHO5000 is manufactured with patience and carefulness, subject to strict mechanical, electronic and optical testing of national standard to ensure good quality. In other ways, a new design makes FHO5000 more smart, compact and multi-purpose. Whether you want to detect link layer in the construction and installation of optical network or proceed with efficient maintenance and trouble shooting, FHO5000 can be your best assistant.

### Features :

- Integrated design, smart and durable.
- Small and light, easy to carry.
- Multi-measuring mode, simple to use, finish measurement by just one button.
- Real time measuring function, convenient to monitor the splicing process.
- Warning function could prevent module of OTDR from being damaged by over strong optical signal.
- Intergrated with visible fault locating system, for the convenience of the detection point in the optical network.
- Optional 2 main USB and one sub USB port, for being controlled by PC or connecting external instrument.
- Remote accessible by network cable or USB wire.
- Support Chinese and English input, friendly interface, analog keyboard capable.
- Save more than 40000 groups of curve.
- Provide data simulation software to process, generate and print report.
- Battery indication.
- Long working hours for outdoor operation.
- Touch screen available as option.

## Specification:

Type	FHO5000-D32	FHO5000-D35	FHO5000-D40	FHO5000-D43	FHO5000-T40/T40F	FHO5000-T43/T43F
Testing wavelength	1310/1550nm	1310/1550nm	1310/1550nm	1310/1550nm	1310/1550/1625nm	1310/1550/1625nm
Dynamic range	32/30dB	35/33dB	40/38dB	43/41dB	40/38/38dB	43/41/41dB
Event dead zone	0.8m	0.8m	1m	1m	1m	1m
Attenuation dead zone	4m	4m	4m	5m	4m	5m
Pulse width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs					
Linearity	≤0.05dB/dB					
Attenuation resolution	0.01dB					
Sampling resolution	Minimum 0.25m					
Sampling point	Maximum 128,000 points					
Distance accuracy	±(1m+measuring distance×3×10 <sup>-5</sup> +sampling resolution )					
Internal visual source	10mw, CW/2Hz					
Stable laser source	-5dBm					
Data storage	40000 groups of curve					
Interface	RJ45 port, 3 USB port					
Display	7 inch TFT-LCD(support touch screen function)					
Battery	7.4V/4.4Ah lithium battery(with air traffic certification), continuous 6 hours					
Working temp	-10 °C ~+50 °C					
Storage temp	-20 °C ~+75 °C					
Dimension	253×168×73.5mm / 1.5kg					
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, USB cord, User guide, CD disk, carrying case					
Option	SC/ST/LC adapter, Bare fiber adapter, 200m FC/PC patchcord					

