

GRANDWAY FH03000 SERIES OTDR

High cost performance choice



FEATURES

Hand-held and portable

High cost performance

5-inch HD touch screen

Simple interface and one-button testing

Long working hours

Support multi-languages

APPLICATIONS

CATV network testing

Access network testing

LAN/WAN network testing

Metro network testing

Lab and Factory testing

Real-time troubleshooting

Easy testing with FHO3000 series OTDR

With its lightweight design and user friendly dimension, FHO3000 series OTDR is perfect for the outside plant environment and can be easily operated with one hand.

FHO3000 series OTDR ensures accurate and complete fiber evaluation while the testing requires only one key to start, allowing anyone to proceed error-free testing. Its ease of use, low price, high resolution and compact size make it be a qualified tester in installation, operation and maintenance of optical networks, and also save you a lot of money and time.

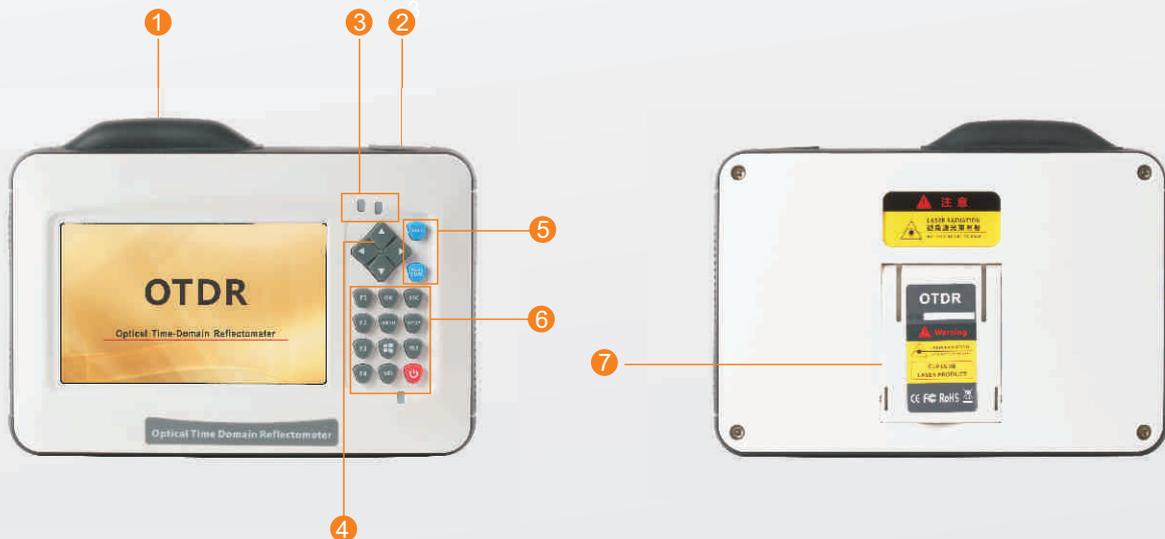


Ideal for short fiber application

It is hard to find a high cost effective OTDR to test short fibers. Normal Fault Locators in short spans lack the resolution while common OTDR are too large, expensive and complicated.

FHO3000 series OTDR from GRANDWAY meets this need by providing all features and performances required for installation and maintenance of short fibers in a compact and mini handheld test set. FHO3000 series OTDR represents an unmatched level of value and ease of use, but doesn't compromise performance.

Structure



- ① **Port 1:** Including OTDR testing port (FC/UPC), VFL Port (optional)×1, Power Meter Port (optional)×1 and touch pen×1
- ② **Port 2:** Including USB A type×2, micro-USB×1, SD card and charging port
- ③ **Indicator:** Indicate test state or charging state
- ④ **Navigator:** Move cursor menu or files
- ⑤ **Test Button:** Averaging test (TEST) button and real-time test (REALTIME) button
- ⑥ **Key area:** F1 ~ F4: select relevant sub-menu
 OK: confirm button
 ESC: cancel button
 MENU: back to main menu
 SETUP: enter testing parameter setting interface
 FILE: enter file manager
 : take screen capture
 : power button
- ⑦ **Support plate:** Support OTDR on the level surface

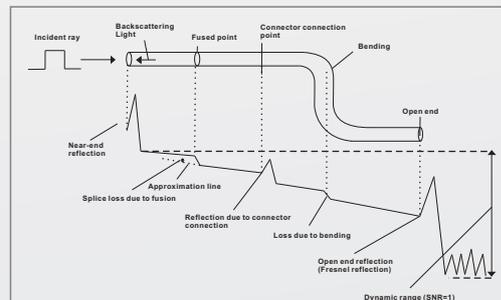
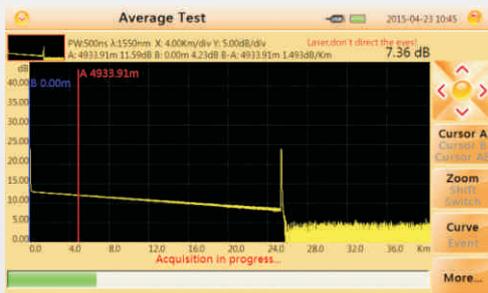
Model				
	Type	Testing wavelength	Dynamic range	Event/Attenuation dead-zone
1	FHO3000-D26	1310/1550nm	26/24dB	1/6m
2	FHO3000-D35	1310/1550nm	35/33dB	1/6m

Humanized Test Interface

FHO3000 series OTDR could display Splice loss, Connector loss, Fiber attenuation, Reflection of points, Link optical return loss and distance to fiber events, etc. With test information in a smart way, user could get detailed information immediately.

Quick fit in short time

Simplified display style and structured menus help effective in reducing the time of study.



Be smart with HD touch screen

5 inch true color high resolution touch screen is perfect for viewing OTDR testing results. It provides excellent readability both indoors and outdoors.

Touch and Test

Touch screen offers a smart way to operate OTDR, even you are wearing gloves; you could use the touch pen to set or check testing parameters.



Result transfer

Check test result on PC or PDA through USB; 4GB large internal memory space could store more than 40,000 groups of results.

Link in line

- Download reference traces and settings from database
- Send measurement result via e-mail
- Ask for remote help

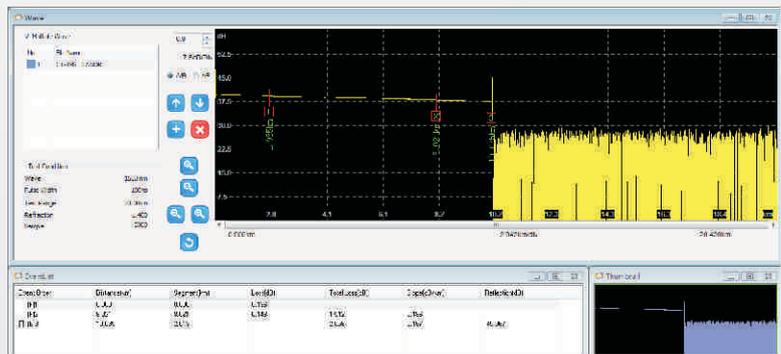


Data Manager

Use Data manager to elaborate and print out result files on upper computer within a few steps.

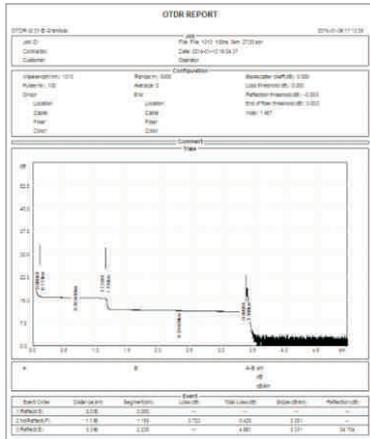
High Compatibility

- **Support:**
 - Windows Vista (32/64 bit system)
 - Windows 7 (32/64 bit system)
 - Windows 8 (32/64 bit system)
 - Microsoft Office Excel 2007
 - Microsoft Office Excel 2010
 - Microsoft Office Excel 2013

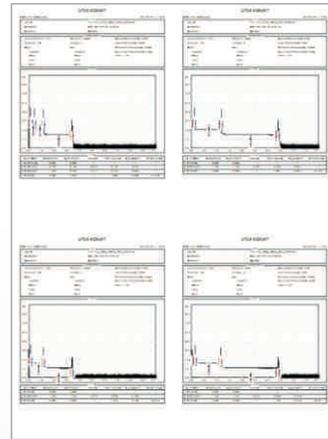


● **Delicate Report**

-Simplified display style easy to read, support multi-result printing.



1 in 1



4 in 1

Specification

General

Display	5 inch TFT-LCD (touch screen)
Battery	7.4V/3300mAh lithium battery (with air traffic certification) Continuously test: 6 hours (back light off)③ Charging time: 3.5 hours
Data Storage	40,000 groups of curves
Interface	3×USB port (USB A Type×2, Micro-USB×1)
Working Temp	-10℃~+50℃
Storage Temp	-20℃~+70℃
Humidity	≤95% (non-condensation)
Dimension	195×141×44mm / 0.9kg (battery included)
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, USB cord, User guide, CD disk, carrying case, wrist belt

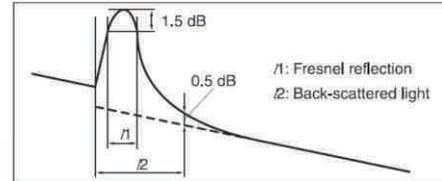
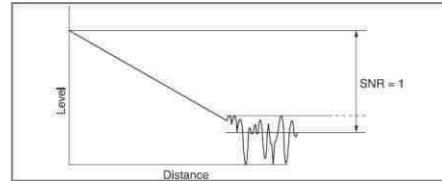
Technical parameter	
Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs (20μs only for D35)
Testing Distance	100m, 500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km, 240km
Sampling Resolution	Minimum 5cm
Sampling Point	Maximum 128,000 points
Linearity	≤0.05dB/dB
scale Indication	X axis: 4~70m/div, Y axis: 0.09~5dB/div
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Distance Accuracy	±(1m+measuring distance×3×10 ⁻⁵ +sampling resolution) (excluding IOR uncertainty)
Refractivity Setting	1.2000~1.5999, 0.0001 step

VFL Module(Optional)	
Wavelength	650nm
Power	10mw, CLASSIII B
Range	12km
Connector	FC/UPC
Launching Mode	CW/2Hz

OPM Module(Optional)	
Wavelength Range	800~1700nm
Calibrated Wavelength	850/1300/1310/1490/1550/1625/1650nm
Test Range	-60~+5dBm
Resolution	0.01dB
Accuracy	±0.35dB±1nW
Modulation Identification	270/1k/2k Hz, Pi≥-40dBm
Connector	FC/UPC

Notes

- ① Dynamic range is measured with maximum pulse width, averaging time is 3 minutes, SNR=1; The level difference between the RMS noise level and the level where near end back-scattering occurs.
- ② Event dead zone is measured with pulse width of 3ns; attenuation dead zone is measured with pulse width of 5ns.
- ③ Typical, back light off, sweeping halted at 25°C, 6 hours typical continuous testing.



Ordering Information

FHO3000-XX-XX-XX-XX

Dynamic Range

- D26** 26dB
- D35** 35dB

Visual Fault Locator

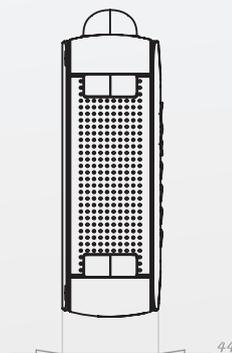
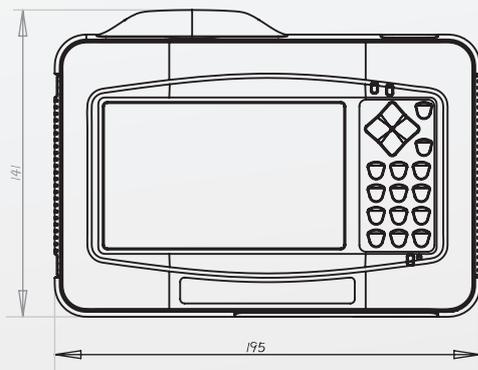
- /** Without Visual Fault Locator
- VFL** With Visual Fault Locator

Connector

- /** FC/UPC(default)
- SC** SC/UPC
- ST** ST/UPC

Power Meter

- /** Without power meter
- PM** With power meter



Unit:mm
 Except where noted, tolerance default as:±3%
 (if size<10mm, tolerance:±0.3mm)

★ Product specifications and descriptions in this document subject to change without notice.

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Shanghai Grandway Telecom Tech.co.,Ltd, registered in 1994, is a shareholding company which is professionally engaged in the integration and service of customized projects of deployment and detection of optical communication network. Of course, grandway is also one of the biggest national supplier of optical communication meters and equipments.The products of grandway are sold all around the world, and gain the praise.

