EQUIPOS DE FUSIÓN
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BY FIBER SYSTEM

PRODUCT MANUAL

GRANDWAY FHO5000 SERIES OTDR

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FHO5000 SERIES OTDR

Product Overview

FHO5000 series OTDR is specially designed for tough outdoor jobs. IP65 protection level, lightweight, easy operation, low-reflection LCD and more than 12 hours working period make it be perfect in filed testing. Meanwhile, optional PCB board with water-proof coating helps FHO5000 series OTDR get better protection performance.

FHO5000 series OTDR is a highly integrated platform that features with four module slots, with a large 7-inch color screen (with a touchscreen option), a high-capacity Lithium-Ion battery, an optional microscope (through universal serial bus [USB] port), and built-in optical test functions, such as PON test module, visual fault locator (VFL), optional power meter, and laser source, making it qualified in the installation, turn-up, and maintenance of FTTx/Access optical networks.

Main Characteristics

FEATURES

- Integrated design,
- Smart and rugged IP65 protection level outdoor enhanced 7-inch anti-reflection LCD screen
- MMF test module (850/1300nm) is optional
- Support multi-language display and input

APPLICATIONS

- FTTX test with PON networks CATV network testing Access network testing
- LAN network testing
- PON online test module (1625nm) is optional
- Metro network testing
- Lab and Factory testing Live fiber troubleshooting

Main Functions

Multi-mode OTDR

Besides standard single-mode (1310/1550nm), FHO 5000 series OTDR supports multi- mode (850/1300m) test mode for option to analyze the multi-mode fiber network.

PM (power meter)

FHO5000 series OTDR comes with optional built-in power meters that let technicians easily verify the presence of a signal.

LS (laser source)

FHO5000 series OTDR comes with optional built-in laser source through OTDR 1 Port that let technicians easily verify the total loss of the local network with a power meter.

FLM (fiber link measurment)

FLM Test (Fiber Link Measurement), also known as"Optical Eye", uses multiple pulse width acquisitions and advanced algorithms to quickly characterize the fiber under test and display the optical events applying intuitive symbols.

VFL (visual fault locator)

The VFL, available as an standard module in FHO5000 series OTDR, offers built-in 650nm visual fault location on a FC/UPC connector.

PON ONLINE TEST

FHO5000 series OTDR uses 1625nm wavelengthto scan and analyze the access point, and proceedonline testing with optical filter and will not disturb the service.

FM (fiber microscope)

The optional fiber inspection probe facilitates the Inspect Before the connection. FHO5000 series OTDR offers this capability through a USB port connection, which al lows quick and easyinspe n of connector end faces forcontamination and also enables it capture andstore th

Struture

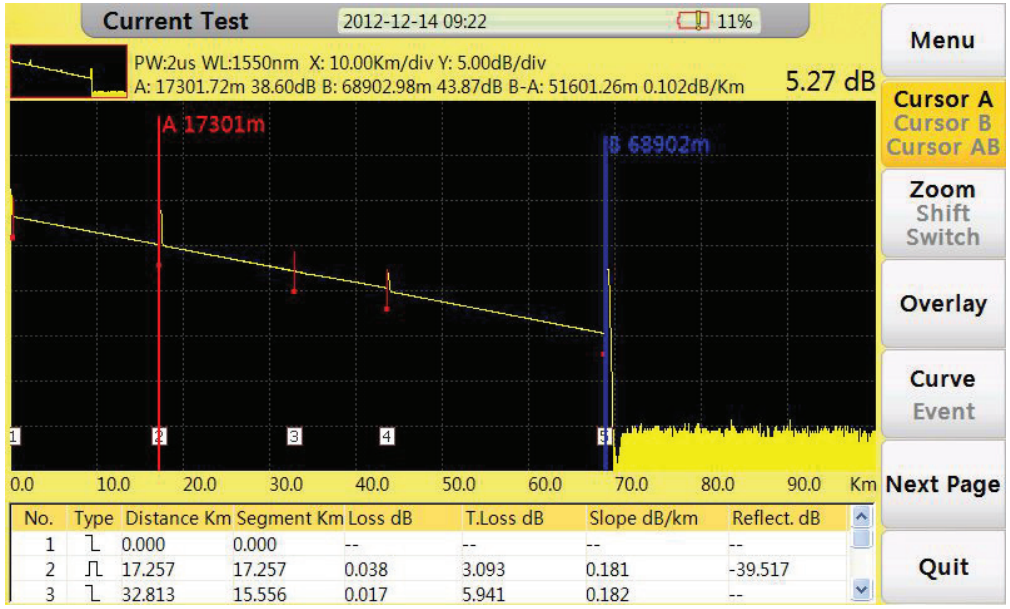
1	Menu selection Button	7	Power Switch	13	OTDR1 Port
2	Navigation Button	8	Charging Port	14	OTDR2 Port(Optional)
3	AVG test Button	9	USB(A Type) Port	15	PM Port(Optional)
4	RT test Button	10	RJ45 Port	16	Battery Compartment
5	Test setup Button	11	USB(B Type) Port	17	Supporting Plate
6	File management Button	12	VFL Port	18	Crash Pad
				19	Safety belt buckle

Humanized Test Interface

FHO5000 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

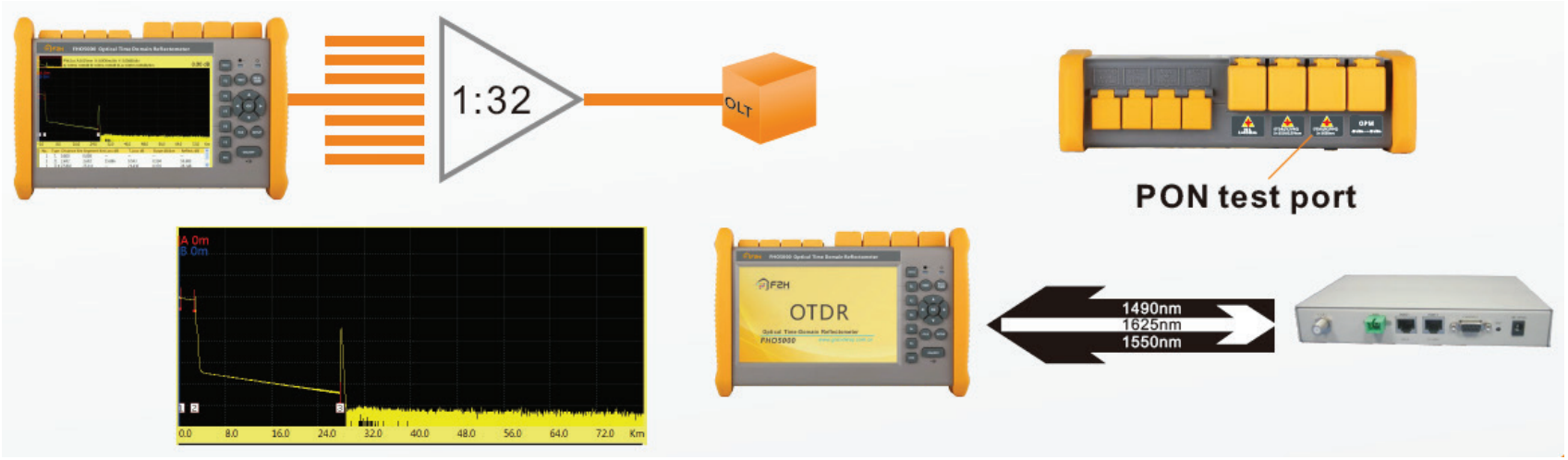
Simplified display style and structured menus help effective in reducing the time of study.



FTTH test within PON networks

FHO5000 series OTDR's models, like T40F and T43F, are dedicated to the testing of PON network maintenance and troubleshooting without service disruption.

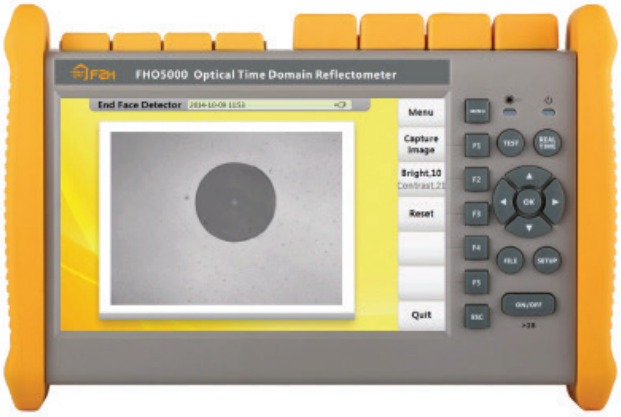
Last mile master
FHO5000 series OTDR could easily test through 1*32 PLC splitter in PON test (Model: FHO5000-T43F).

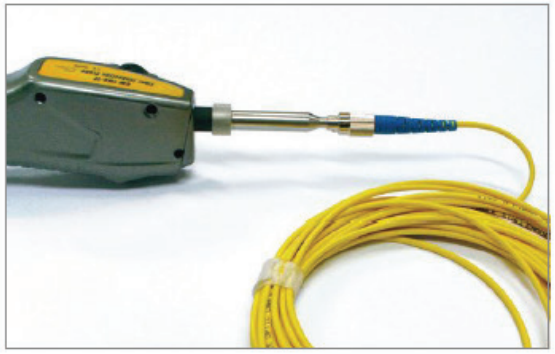


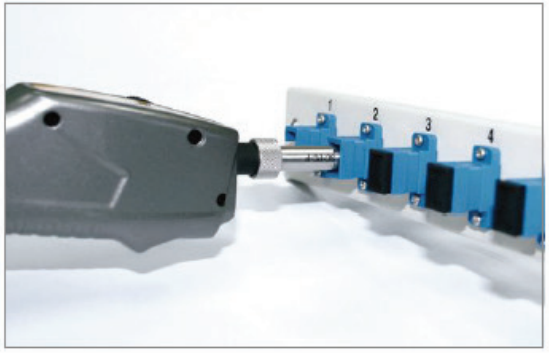
Fibert Microscope

Microscope is optional for FHO5000 series OTDR. 400X amplification and variety of accessories ensure perfect terminal condition before test.

The essential first step
Taking time to properly inspect connector end faces can prevent a slew of problems down the line, saving you time,money and headaches.







Result Transfer

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

Link in line

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

Technical Specifications

Dimension	253×168×73.6mm 1.5kg (battery included)
Display	7 inch TFT-LCD with LED backlight (touch screen function is optional)
Interface	1×RJ45 port, 3×USB port (USB 2.0, Type A USB×2, Type B USB×1)
Power Supply	10V(dc), 100V(ac) to 240V(ac), 50~60Hz
Battery	7.4V(dc)/4.4Ah lithium battery (with air traffic certification) Operating time: 12 hours①, Telcordia GR-196-CORE Charging time: <4 hours (power off)
Power Saving	Backlight off: Disable/1 to 99 minutes Auto shutdown: Disable/1 to 99 minutes
Data Storage	Internal memory: 4GB (about 40,000 groups of curves)
Language	User selectable (English, Simplified Chinese, traditional Chinese, French, Korean, Russian, Spanish and Portuguese-contact us for availability of others)
Environmental Conditions	Operating temperature and humidity: -10℃~+50℃, ≤95% (non-condensation) Storage temperature and humidity: -20℃~+75℃, ≤95% (non-condensation)

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