



DESCRIPTION

This series of optical time domain reflectometer (OTDR) is a new generation of intelligent optical fiber measuring instrument designed for the testing of optical fiber communication system.



GENERAL INFORMATION

This product is mainly used to measure various types of optical fiber, optical cable length, loss and other parameters of the quality of the connection; can quickly in the optical fiber link in the event points, fault location. It can be widely used in the construction, maintenance and emergency repair of optical fiber communication system. In the construction of fiber optic network installation or follow-up rapid and efficient maintenance and troubleshooting test, this product can provide you with the highest performance solutions.

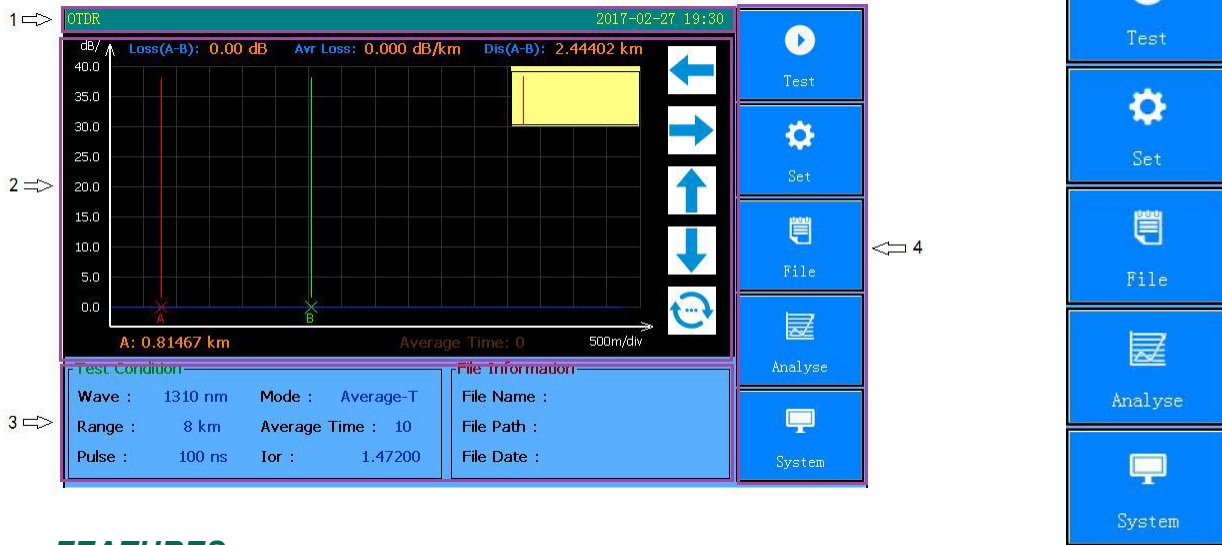
MAIN FUNCTIONS

The appearance of this novel instrument; OTDR has the industry's most simple interface, intuitive operation; in similar products, buttons and touch screen dual mode of operation, greatly simplifies the user; analysis of a type unique, quick access to the test result, the event is displayed in a tabular form on the main interface, the relevant information including: event type, event location, loss, reflection, attenuation, event between total loss; machine adopts intelligent power management mode, large capacity lithium battery makes the machine work more than 10 hours, very suitable for the long-term field environment.

In addition to the OTDR function, the instrument can also be equipped with optical power meter, light source, visual fault location (VFL) and the end detection function.



MAIN OPERATING INTERFACE



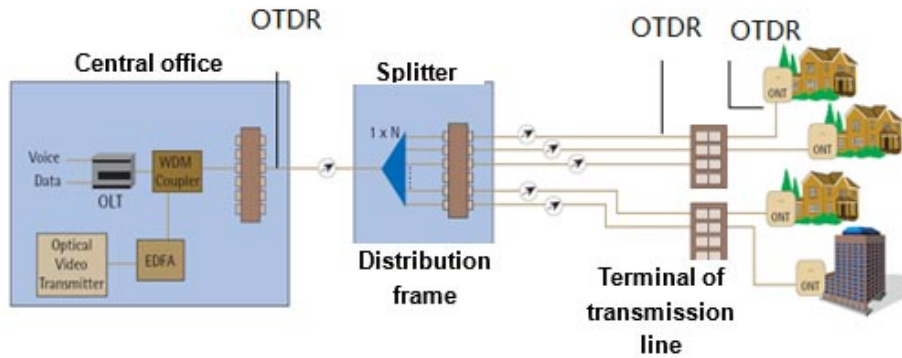
FEATURES

- 7-inch TFT color LCD display, touch screen
- External interfaces USB, MICRO-USB
- Maximum 45dB large dynamic range
- 128k data sampling points
- High ranging resolution of 0.05m
- ≤ 0.8 m ultra-short event blind zone
- Easy to test fiber jumper
- PON network Online test
- Penetrate optical splitter up to 1:8 / 1:64
- Test each branch of the PON network accurately
- Feature: OTDR, Event Map, OPM, OLS, VFL, (Microscope Optional)
- Automatic detect and alarm of incoming optical signals
- Optical output interface FC/SC/ST
- Built-in High-Capacity lithium battery
- Battery operating time: > 12h



- Supports variety language interfaces: Chinese, English, Spanish, French, German, Italian, Portuguese, Russian, Korean, etc.

TYPICAL APPLICATIONS



BUTTON DESCRIPTION



:Function Selection Button, corresponding to the left menu.



:Power Button, press the key to open the instrument, long press this button to close the instrument.



:OTDR Test Button, Press this button to open or stop the test of the optical fiber or cable.



:A/B Cursor toggle Button, Press this button to achieve the cursor A and cursor B switching function.



:Zoom\Move Select Button, Press this button to achieve the zoom function or cursor movement function.



:Enter Button, Press this button to confirm the prompt information.



:ESC Button, Press this button to exit the test or the current test function or return to the main function.



: Navigation Button, Press this button can be select the function of cursor movement or zoom in or out.



SPECIFICATION

Dimension	30 x 27 x 15 cm; 1.8 kg
Display	7-inch TFT-LCD with LED backlight
Interface	3 x USB port (USB 2.0, Type A USB x 2, Type B USB x 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 hours, 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)
Environmental Conditions	Operating temperature and humidity: -10°C~+50°C, ≤95% (non-condensation) Storage temperature and humidity: -20°C~+75°C, ≤95% (non-condensation) Proof: IP65
Accessories	Main unit, power adapter, Lithium battery, FC adapter, USB cord, User guide, carrying case



VFL MODULE (Visual Fault Locator)

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

PM MODULE (Power Meter)

Wavelength Range	800~1700 nm
Calibrated Wavelength	850/1300/1310/1490/1550/1625/1650 nm
Test Range	Type A: -65~+5dBm (standard); Type B: -40~+23dBm (optional)
Resolution	0.01dB
Accuracy	$\pm 0.35\text{dB} \pm 1\text{nW}$
Modulation Identification	270/1k/2kHz, Pinput \geq -40dBm
Connector	FC/UPC

LS MODULE (Laser Source)

Working Wavelength	1310/1550/1625 nm
Output Power	Adjustable -25~0dBm
Accuracy	$\pm 0.5\text{dB}$
Connector	FC/UPC