BELIEVE
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EYES.

A870

- Multiple function modules can select, one machine for multiple purposes
- SOLA module, support one click measurement, support PON test
- 7-inch large screen, basically touch screen operation

Version 2.2

Description

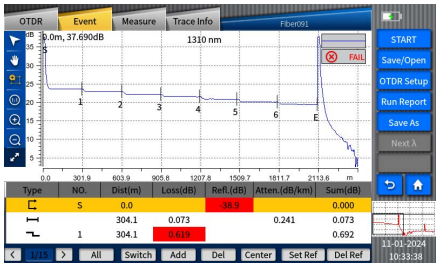
A870 is a portable hand-held OTDR platform, which can realize multi service applications such as optical, optical power, optical fiber end face inspection, etc., and is used for the installation and maintenance ofoptical cables. It has the characteristics of high precision test ability, fast response time and easy operation. A870 provides accurate and fast test results and automatically generates reports.
The A870 is equipped with an high-performance CPU to generate and store test results. This also ensures fast and accurate results.

Platform parameters and platform module parameters

	Parameter
Dimension	275x68x178mm（Including rubber）
Weight	1.78kg(Battery Included)
Distance Unit	m/km/mile
Distance Range	Single mode 0.1、0.3、0.5、1.3、2.5、5、10、20、40、80、120、160、260、320km
Pulse Width	3ns、5ns、10ns、30 ns、50ns、100ns、200ns、300ns、500ns、1us、2.5us、5us、10us、20us
Dynamic Range	1310/36dB 1550/35dB
Event Dead Zone	0.8m
Attenuation Dead Zone	3m
Distance Uncertainty	± （1.0m + distance x2.5x10^{-5} + sampling resolution）
Linearity	±0.05dB/dB
Loss Accuracy	±0.2dB
Sampling Points	150000
Sampling Resolution	0.04m~10.24m
Display	7 inches High-brightness TFT LCD , resolution: 800*480
IOR Setting	1.000000~2.000000
Operation Mode	PressKey and TouchScreen
Battery Capacity	5800mAh
Operation Temperature	-10 °C ~ 50 °C， 0% ~ 95% Non-condensing
Storage Temperature	-20 °C ~ 60 °C， 0% ~ 95% Non-condensing
File Format	SOR (Telcordia), SOLA, PDF, BMP, JPG, GDM
External Interface	USB2.0，RJ45(100Mbps Ethernet), TF
Compatible Connectors	FC / SC / LC
Power Supply	AC 100-240V 50-60HZ DC 19V 3.42A
VFL Module	Output: 20mW Operating wavelength: 650±10nm，Universal interface: 2.5mm

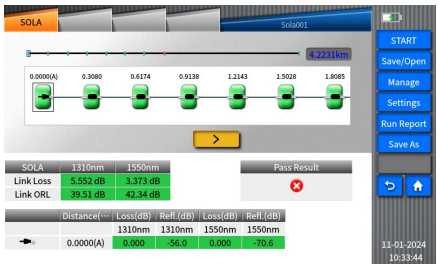
Package

OTDR	A870
Power Cable / AC Adapter	ACC-25 / JS-180300
Carrying case	Soft case
Shoulder Strap	ST-01
Calibration Certificate	√
Touch Pen	√
USB Flash	√



OTDR

According to the principle of Rayleigh scattering and Fresnel reflection, OTDR module can measure the distance, loss, reflectivity, attenuation and cumulative loss of the main optical fiber links. In addition, the thresholds (joint loss threshold, reflection loss threshold and connection loss threshold) are set according to the needs to realize the automatic analysis of the measurement trace and find out the event points on the optical fiber link.

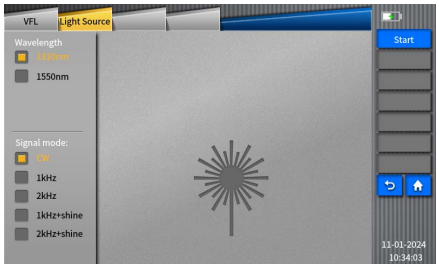


SOLA

Sola is an application program based on OTDR, which is intended to simplify the OTDR test process, without configuration parameters or analysis and analysis of multiple complex OTDR curves. It uses advanced algorithm to dynamically define test parameters and determine the most suitable curve collection times according to the network under test, It can correlate multiple pulses of multiple wavelengths to locate and identify faults at the highest resolution - all of which requires only one key.

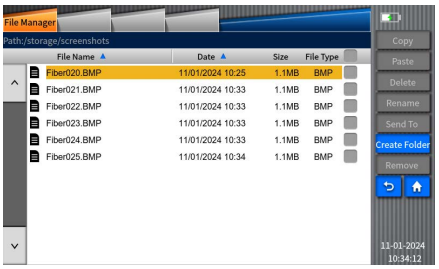
Visual Fault Locator (VFL)

The visual light source module is used to identify multi-core optical fiber or check breakpoints. The optical fiber is connected to the machine by splicing device, and the visible light source can be turned on, and the distance of light leakage is less than the measurement distance.



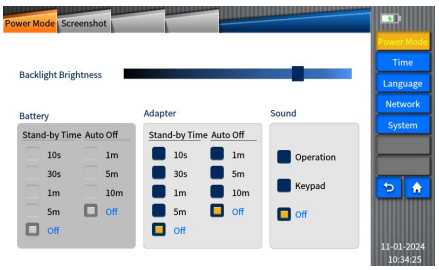
Light Source (LS)

Invisible light source (1310/1550nm) can provide the following sources of light: CW, 1kHz, 2kHz modulated and 1kHz & 2kHz blink.



File management

Powerful file management can realize the functions of deleting, copying, renaming and creating new folder.



System settings

Used to set sy stem parameters, such as brightness, time, language, etc

Ordering Information

XXX - XXX - XXX - XXX - XXX - XXX

Model

OTDR: A870

Optical Configuration

SMF1: 1310/1550nm

Basic Software

OTDR: OTDR application only

SOLA: SOLA application only

OS: OTDR & SOLA application

Fiber Connector

CNT1: FC/APC CNT4: FC/UPC

CNT2: SC/APC CNT5: SC/UPC

CNT3: LC/APC CNT6: LC/UPC

Light Source

LS0: without VFL & Light Source

LS1: with VFL

LS2: with Light Source

LS3: with VFL & Light Source

Micro Scope

MS0: without Micro Scope

MS1: with Micro Scope - V20

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