MINI2

MOST ACCURATE COMPACT OTDR

- SOLA, Simplify The OTDR Test Process
- 5" Touch Screen with Smart GUI
- 8GB Internal Storage with Internal SD Card & External USB Memory
- Built-In VFL and Light Source
- Fast Booting Time
- Very Light Weight and Hand-held

BELIEVE YOUR EYES.

DESCRIPTION

The MINI2 OTDR is used in the installation and maintenance of fiber optic cables. Features of the MINI2 OTDR include high precision test capabilities, fast response times, and easy to learn operation. The multi-point capacitive touch screen allows for user-friendly operation. The MINI2 OTDR offers accurate and fast test results and creates a report automatically. The MINI2 OTDR is compactly designed and very lightweight and hand-held.

CHARACTERISTICS

Fast Booting Time

Simplify the Test Process

Measure Fiber Optical Link

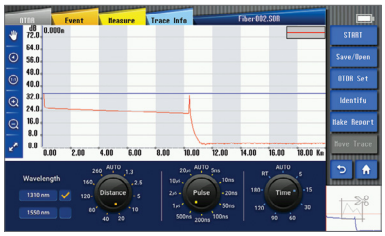
5" Touch Screen with
Smart GUI
High Brightness
Resolution of 800x480

Identify Fiber
Fault Location

Magnify the
Fiber End Face

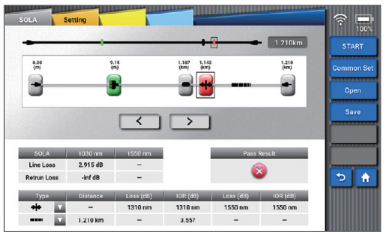
touch

OTDR



OTDR mode allows for measuring distance, loss, reflectivity, attenuation and accumulation loss on a fiber optical link.

SOLA

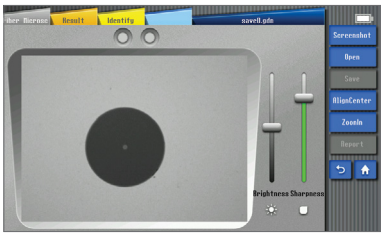


SOLA is an application for the OTDR, designed to simplify OTDR test process without the need to configure the parameters or analysis while parsing multiple complex OTDR curves.

VFL

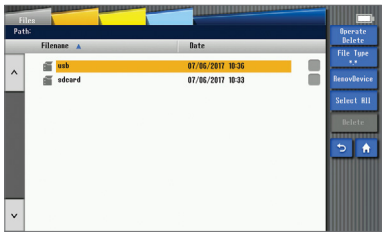
VFL allows for finding direct fault locations in fiber test dead zones or performing fiber core calibration in multi-fiber cables.

FIBER MICROSCOPE



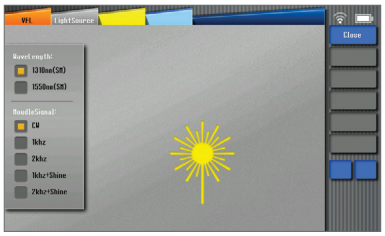
Fiber end tester (peripheral required) is mainly used to test the cleanliness and flatness of the fiber end face.

FILE MANAGER



File Manger can provide powerful file management that users can manage their files conveniently.

LIGHT SOURCE



Invisible light source (1310 or 1550ns) can provide the following types of light, including CW light, 1kHz light, 2kHz light, 1kHz blink light, 2kHz blink light.

TECHNICAL SPECIFICATIONS

Model	MINI2
Display	5 inches, High Brightness TFT LCD, resolution of 800×480
Distance unit	m / km / mile
Dynamic range	32dB / 30dB (1310nm / 1550nm)
Measurement range (km)	1.3, 2.5, 5, 10, 20, 40, 80, 120, 160, 360km
Measurement range (mile)	0.81, 1.55, 3.11, 6.22, 12.4, 24.8, 49.6, 74.6, 99.4, 223.7mile
Pulse width	5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 10μs, 20μs
Event dead zone	0.8m
Attenuation dead zone	4m
PON dead zone	50m
Distance accuracy	±(1m+Distance×2.5×10^{-5} +Sampling resolution)
Loss scale linearity	±0.1dB or ±0.05dB / dB
Sampling points	110,000 points
Splitting ratio	Up to 1:32 splitter
Resolution	0.04m ~ 10.24m
Operating mode	Press keys and touch screen
Battery capacity	Operating Time : Up to 12H
File format	SOR(Telcordia), BMP, JPG
External connection	USB 2.0
Compatible connector	APC(FC, SC, LC), UPC(FC, SC, LC, ST)
Power supply	AC Input 100-240V, 50-60Hz / DC Input 19V, 3.42A
VFL Distance	Up to 15km
VFL module	Operating wavelength: 650nm ±10nm, Universal interface: 2.5mm
Light source	Operating wavelength: 1310nm / 1550nm ±10nm

PACKAGE

OTDR	MINI2
Power Cable / AC Adapter	ACC-25 / JS-180300
Carrying Case / Key	√
Shoulder Strap	√
Touch Pen	√

GENERAL SPECIFICATIONS

Dimension	4.52H x 6.81W x 2.51D inches
	(115H x 173W x 64D mm, excluding rubber bumper)
Weight	1.98pounds (0.90kg with battery)
Operating conditions	-10~50℃
Storage conditions	-20~60℃,
Relative humidity	0~95% (Noncondensing)

* The information on this catalog is subject to change without prior notice.

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ORDERING INFORMATION

XXX - XXX - XXX - XXX - XXX - XXX - XXX - XXX

Model

OTDR: MINI2

Optical Configuration

SMF1: 1310/1550nm

Basic Software

OTDR: OTDR application only
SOLA: SOLA application only
OS: OTDR & SOLA application

Fiber Connector

CNT1: FC/APC
CNT2: SC/APC
CNT3: LC/APC
CNT4: FC/UPC
CNT5: SC/UPC
CNT6: LC/UPC
CNT7: ST/UPC

Light Source

LS0: No 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

Patchcord Tips [a)]

V20UPC25: Universal patchcord tip for 2.5mm ferrules (FC, SC, ST)
V20APC25: Universal patchcord tip for 2.5mm ferrules (FC, SC)
V20UPC125: Universal patchcord tip for 1.25mm ferrules (LC)
V20APC125: Universal patchcord tip for 1.25mm ferrules (LC)

Wi-Fi

WF0: without Wi-Fi
WF1: with Wi-Fi

Example: MINI2-SMF1-OS-CNT2-LS3-MS1-V20UPC25-WF1

a) If Micro Scope selected.

EI CONNECTOR

To improve the testing efficiency and optimize the OTDR function, APC connector is recommended to be applied and connected with SM port of MINI2, due to low reflectance caused by it. The reflection coefficient is the key parameter that will affect the OTDR performance and especially the dead zone. (The performance of the APC connector is better than that of the UPC connector).

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