MINI 2

Most accurate compact OTDR

SOLA (Smart Optical Link Analyzer)
5" Touch screen with smart GUI
8 GB storage with internal SD Card & external USB memory
Built-In VFL and light source
Fast booting time
Lightweight and handheld

INNO
INSTRUMENT

The MINI 2 OTDR is used for the installation and maintenance of fiber optic cables. Its features include high-precision testing capabilities, fast response times and easy to learn operation. The capacitive multipoint touch screen allows user-friendly operation.

The MINI 2 OTDR offers accurate and fast test results and automatically creates a report. This device's compact design makes it lightweight and truly portable.

EXTENDED
3
YEARS
WARRANTY

Optical connector   VFL

DC   USB

Simplify the test process

Measure fiber optical link

5" Touch screen with smart GUI
High brightness
Resolution of 800 × 480
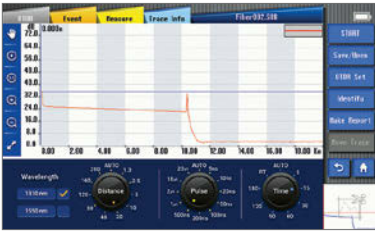
Identify fiber fault location

Fast Booting Time

Magnify the fiber end-face

touch

OTDR (Optical Time Domain Reflectometer)

OTDR mode is adopted to measure distance, loss, reflectivity, attenuation and accumulation loss on a fiber optic link.

SOLA (Smart Optical Link Analyzer)

SOLA is an application for the OTDR, designed to simplify the OTDR test process without the need to configure parameters or analysis while parsing multiple complex OTDR curves
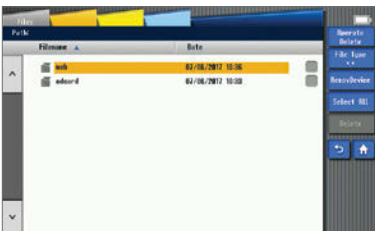
VFL (Visual Fault Locator)

VFL can be used to find direct defect locations in dead zones of fiber testing or to calibrate the fiber core 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 a powerful file management that users can manage their files in a convenient way.

Light source

Invisible light source (1,310 / 1,550 nm) can provide the following sources of light: CW, 1 kHz, 2 kHz modulated and 1 kHz & 2 kHz blink.

64 mm

173 mm

115 mm

General specifications

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

Specifications

Model	Mini 2
Display	5 inches, high brightness TFT LCD, resolution of 800 × 480
Distance unit	m / km / mile / ft
Wave lenght	1,310 nm / 1,550 nm
Dynamic range	32 dB / 30 dB (1,310 nm / 1,550 nm)
Range settings (km)	1.3, 2.5, 5, 10, 20, 40, 80, 120, 160, 260 km
Range settings (mile)	0.81, 1.55, 3.11, 6.22, 12.4, 24.8, 49.6, 74.6, 99.4, 161.5 mile
Pulse width	5 ns, 10 ns, 20 ns, 50 ns, 100 ns, 200 ns, 500 ns, 1 µs, 2 µs, 10 µs, 20 µs
Dead zone (Event / Attn. / PON)	1 m / 5 m / 50 m
Distance accuracy	$\pm\ (1\ m + distance \times 2.5 \times 10^{-5} + sampling\ resolution)$
Linearity	0.03 dB
Sampling points	110,000 points
Refractive index	1.000000—2.000000 (step: 0.000001)
Splitting ratio	Up to 1:32 splitter
Resolution	0.04 m ~ 10.24 m
Loss readout resolution	0.001 dB
Threshold setting range	−80 ~ 10 dB
Battery capacity	Operating time: Up to 12 hours
File format	SOR, BMP, JPG, GDM, SOLA, PDF
Result storage	Last 20,000 traces
External connection	USB 2.0
Compatible connector	APC (FC, SC, LC), UPC (FC, SC, LC, ST)
Power supply	AC Input 100—240 V, 50—60 Hz / DC Input 19 V, 3.42 A
VFL port	2.5 mm ferrule type
VFL wavelength	650 nm ± 10 nm
VFL distance	Up to 15 km
VFL output power	20 mW
Light source	Operating wavelength: 1,310 nm / 1,550nm ± 10 nm
Light source output power	−5 dBm

Delivery contents

OTDR	MINI 2
Power cable / AC adapter	ACC-25 / JS-180300
Carrying case	Soft case
Shoulder strap / Touch pen	✓
Calibration certificate	✓

APC connector

To improve test efficiency and optimize the OTDR function, it is recommended to use the APC connector and plug it to the MINI 2 SM port, due to the low reflectance it causes. The reflection coefficient is the key parameter that will affect OTDR performance and particularly the dead zone (APC connector performance is better than UPC connector performance).

The information contained in this catalogue is subject to change without notice.