

# 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

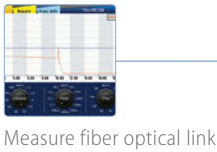
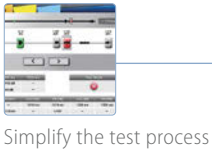
Fast booting time

Lightweight and handheld



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.



5" Touch screen with smart GUI  
High brightness  
Resolution of 800×480



Identify fiber fault location



Magnify the fiber end-face



Fast Booting Time

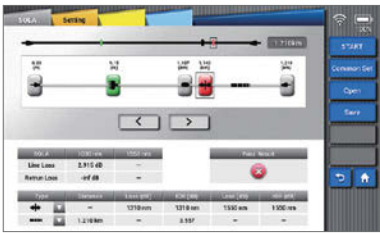
touch

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)



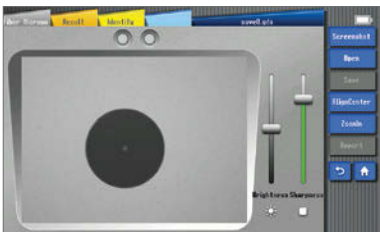
SOLA is an application for the OTDR, designed to simplify the OTDR test process without the need to configure parameters or analysis while parsing multiple complex OTDR curves

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



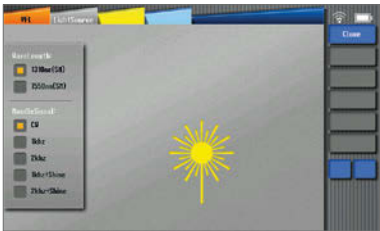
Fiber end tester (peripheral required) is mainly used to test the cleanliness and flatness of the fiber end-face.

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.



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 °C
- Storage conditions: -20 ~ 60 °C
- 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 length                     | 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               | ± (1 m + distance × 2.5 × 10 <sup>-5</sup> + 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.

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