

# MINI2

## MOST ACCURATE COMPACT OTDR

- SOLA (Smart Optical Link Analyzer)
- 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
- Lightweight and Handheld



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's compact design, delivers a lightweight, truly hand-held device.

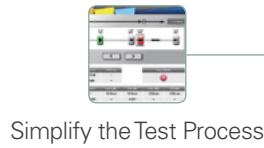
## CHARACTERISTICS



Optical Connector VFL



DC USB



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



Fast Booting Time

touch

## OTDR



OTDR mode allows for measuring distance, loss, reflectivity, attenuation and accumulation loss on a fiber optic 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



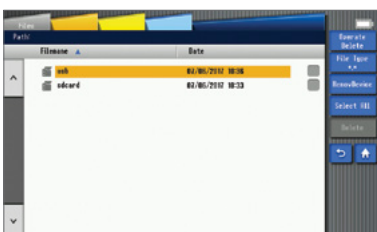
VFL allows for finding direct fault locations in fiber test dead zones or performing fiber core calibration in multi-fiber cables.

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

## TECHNICAL SPECIFICATIONS

Model	MINI2
Display	5 inches, High Brightness TFT LCD, resolution of 800×480
Distance unit	m / km / mile / ft
Dynamic range	32dB / 30dB (1310nm / 1550nm)
Range settings (km)	1.3, 2.5, 5, 10, 20, 40, 80, 120, 160, 260km
Range settings (mile)	0.81, 1.55, 3.11, 6.22, 12.4, 24.8, 49.6, 74.6, 99.4, 161.5mile
Pulse width	5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 10μs, 20μs
Dead zone (Event/Attn./PON)	1m / 5m / 50m
Distance accuracy	±(1m+Distance×2.5×10 <sup>-5</sup> +Sampling resolution)
Linearity	0.03dB
Sampling points	110,000 points
Refractive index	1.000000 - 2.000000 (step: 0.000001)
Splitting ratio	Up to 1:32 splitter
Resolution	0.04m ~ 10.24m
Loss readout resolution	0.001dB
Battery capacity	Operating Time : Up to 12hours
File format	SOR, BMP, JPG, GDM, SOLA, PDF
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 port	2.5mm ferrule type
VFL wavelength	650nm ±10nm
VFL distance	Up to 15km
VFL output power	20mW
Light source	Operating wavelength: 1310nm / 1550nm ±10nm
Light source output power	-5dBm

## PACKAGE

OTDR	MINI2
Power cable / AC Adapter	ACC-25 / JS-180300
Carrying case	Soft case
Shoulder strap / Touch pen	✓
Calibration certificate	✓

## 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.

## ORDERING INFORMATION

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

### Model

OTDR: MINI2

### Optical Configuration

SMF1: 1310/1550nm

### Basic Software

OTDR: OTDR application only

OS: OTDR & SOLA application

### Fiber Connector

CNT1: FC/APC    CNT4: FC/UPC    CNT7: ST/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

### Hard Case

HC0: without Hard Case

HC1: with Hard Case

**Example: MINI2-SMF1-OS-CNT2-LS3-MS1\_HC0**

## APC 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).