

# VIEW 500

User-friendly standard OTDR

SOLA (Smart Optical Link Analyzer)

7" Touch screen with smart GUI

8 GB storage with internal SD Card & external USB memory

Built-In VFL, light source and OPM

Fast booting time

Ultra-high capacity battery



The View 500 OTDR is used for the installation and maintenance of optical fiber 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 View 500 offers accurate and fast test results and automatically creates a report. This device is equipped with an industrial-grade CPU for creating and storing test results.



VIEW 500 offers the ultra-high battery capacity of 7800 mAh.



Optical connector VFL OPM



Simplify the test process



Measure fiber optical link



Measure optical power & loss



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




Identify fiber fault location



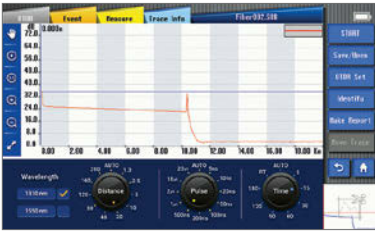
Magnify the fiber end-face



 Fast Booting Time

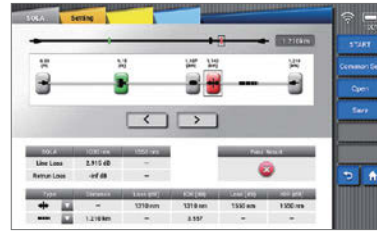
touch

## OTDR (Optical Time Domain Reflectometer)



OTDR mode is used 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.

## OPM (Optical Power Meter)



OPM is adopted to measure absolute optical power meter or relative optical power loss across the range of the optical fiber.

## 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: 7.08 H × 10.70 W × 2.44 D inches  
(180 H × 272 W × 62 D mm, excluding rubber bumper)

Weight: 4.19 pounds (1.90 kg with battery)

Operating conditions: -10 ~ 50 °C

Storage conditions: -20 ~ 60 °C

Relative humidity: 0 ~ 95 % (Noncondensing)

## Specifications

Model	View 500
Display	7 inches, high brightness TFT LCD, resolution of 800 × 480
Distance unit	m / km / mile / ft
Dynamic range	35 dB / 33 dB (1,310 nm / 1,550 nm)
Range settings (km)	1.3, 2.5, 5, 10, 20, 40, 80, 120, 160, 360 km
Range settings (mile)	0.81, 1.55, 3.11, 6.22, 12.4, 24.8, 49.6, 74.6, 99.4, 232.7 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)	0.8 m / 4 m / 40 m
Distance accuracy	± (1 m + distance × 2.5 × 10 <sup>-5</sup> + sampling resolution)
Linearity	0.03 dB
Sampling points	160,000 points
Refractive index	1.000000—2.000000 (step: 0.000001)
Splitting ratio	Up to 1:64 splitter
Resolution	0.04 m ~ 10.24 m
Loss readout resolution	0.001 dB
Battery capacity	Operating time: Up to 12 hours
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—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 10 km
VFL output power	20 mW
Light source	Operating wavelength: 1,310 nm / 1,550nm ± 10 nm
Light source output power	-5 dBm
OPM port	SC, FC, ST
Wavelength calibration (OPM)	850 / 1,300 / 1,310 / 1,490 / 1,550 / 1,625 / 1,650
Power range (OPM)	-70 to +6 dBm (Accuracy: 0.01 dB)

## Delivery contents

OTDR	VIEW 500
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 View 500 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.

## KWS Electronic Test Equipment GmbH

Tattenhausen · Raiffeisenstraße 9 · 83109 Großkarolinenfeld · Germany  
Telefon 00 49 .(0) 80 67 .90 37-0 · Telefax 00 49 .(0) 80 67 .90 37-99  
info@kws-electronic.de · [www.kws-electronic.com](http://www.kws-electronic.com)