

# View 600

BELIEVE YOUR EYES

## MODULAR OTDR WITH HIGH PERFORMANCE

- 13 Modules Applicable
- SOLA (Smart Optical Link Analyzer)
- 7" Touch Screen with Smart GUI
- 8GB Internal Storage (Internal SD Card & External USB Memory)
- Built-In VFL, Light Source, OPM



## DESCRIPTION

INNO Instrument proudly introduces VIEW600, a truly modular OTDR with 13 applicable modules, supporting last-mile, access network, FTTx/PON, metro networks. VIEW600 boasts qualified CPU, fast response time, capacitive touch screen, user-friendly GUI, and above all, accurate test result. We guarantee that you can seamlessly test your networks with this changable smart gear.

## CHARACTERISTICS



Singlemode OTDR Port      Singlemode OTDR live Port



VFL    OPM    Ethernet Port    DC  
USB

Simplify the Test Process



Measure Fiber Optical Link



Measure Optical Power & Loss



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



Identify Fiber Fault Location



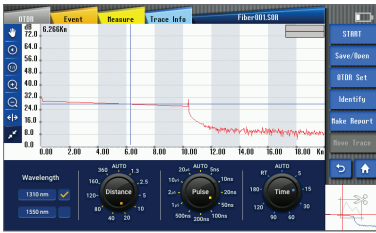
Magnify the Fiber End Face



Effective Tool for Managing Test Result Files

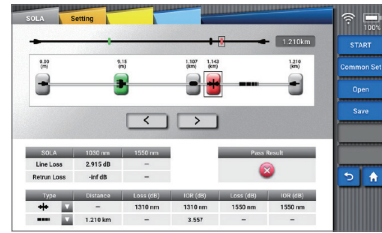


## OTDR



OTDR-mode enables you to measure distance, loss, reflectance, attenuation, ORL and sum on an optical fiber. When operating Auto-mode, test is automatically done without additional setting. The test results can be stored in 3 types of format (image, SOR, PDF)

## SOLA



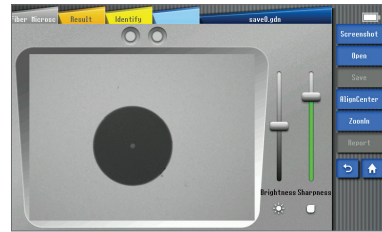
SOLA (Smart Optical Link Analyzer), an application that simplifies the measure process, shows you an accurate test results by utilizing advanced algorithm and optimal multiple pulse width. You don't have to set complicated parameters, which means even unskilled workers can make measurement with great ease.

## VFL



VFL (Visual Fault Locator) visually identifies the location of bending point, faulty connector or splicing point by emitting a bright red laser (it can reach a maximum of 10km), and this is a must function that workers need on the field.

## FIBER MICROSCOPE



Testing fiber end face on connectors with FIBER MICROSCOPE is very important, because a polluted or damaged connector can cause critical damage to test results as well as testing port.

## OPM



OPM (Optical Power Meter) is used for accurately measuring optical power on fiber optic networks operating at 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1610nm and 1625nm.

## LIGHT SOURCE



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

## SOFTWARE FEATURES

Software Update	Simple update with USB memory stick
Auto Mode	Automatic optimization of parameters and test process
INNO PC Program	A tool for analyzing and revising the test results of OTDR and SOLA
PDF Reporting	Providing the test report in PDF format
PDF Viewer	PDF File can be viewed on the screen
Transmission via USB / Wi-fi	Quick transmission of test results via USB and Wi-Fi
Link with Printer	Printing by connected printer
Distance Editing	Manually changing distance on OTDR mode
Identifying Macro Bending	Identifying micro-bending on OTDR or SOLA mode
Operation with Mouse	Easy operation with mouse (linked to USB port)

## OTDR MODULES

Name	Wavelength(nm)	Dynmaic range(dB)	Event dead zone(m)	Attenuation dead zone(m)	PON dead zone(m)
Module 1	1310 / 1550	30 / 28	1	4	35
Module 2	1310 / 1550 / 1625	30 / 28 / 28	1	4	35
Module 3	1310 / 1550 / 1625 live port	30 / 28 / 28	1	4	35
Module 4	1310 / 1550	36 / 35	0.7	3	35
Module 5	1310 / 1550 / 1625 live port	36 / 35 / 35	0.7	3	35
*Module 6	850 / 1300	27 / 29	0.5	3	35
*Module 7	850 / 1300 / 1310 / 1550	27 / 29 / 36 / 35	SM : 0.7 / MM : 0.5	SM : 3 / MM : 3	35
Module 8	1310 / 1550	39 / 38	0.5	3	30
Module 9	1310 / 1550 / 1625	39 / 38 / 39	0.5	3	30
Module 10	1310 / 1550 / 1625 live port	39 / 38 / 39	0.5	3	30
Module 11	1310 / 1550 / 1650 live port	39 / 38 / 39	0.5	3	30
Module 12	1625 live port	39	0.5	3	30
Module 13	1650 live port	39	0.5	3	30

\* Module 6 and Module 7 (for multimode fiber measurement) are still belong developed and will be available soon.

## MODULAR OTDR

13 Modules are applicable.



## TECHNICAL SPECIFICATIONS

Model	VIEW600
Display	7 inches, High Brightness TFT LCD, resolution of 800×480
Distance unit	m / km / mile / ft
Range settings (km)	1.3, 2.5, 5, 10, 20, 40, 80, 120, 160, 360km
Range settings (mile)	0.81, 1.55, 3.11, 6.22, 12.4, 24.8, 49.6, 74.6, 99.4, 223.7mile
Pulse width	3ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 10μs, 20μs
Distance accuracy	±(1m+Distance×2.5×10 <sup>-5</sup> +Sampling resolution)
Linearity	0.03dB
Sampling points	256,000 points
Refractive index	1.000000 - 2.000000 (step: 0.000001)
Splitting ratio	Up to 1:128 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 x 2
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 10km
VFL output power	20mW
Light source	Operating wavelength: 1310nm / 1550 nm ±10nm
Light source output power	-5dBm
OPM port	SC, FC, ST(interchangeable)
Wavelength calibration[OPM]	850 / 1300 / 1310 / 1490 / 1550 / 1625 / 1650nm
Power range (OPM)	-70 to +6dBm (Accuracy: 0.01dB)

## PACKAGE

OTDR	VIEW600
Power cable / AC Adapter	ACC-25 / JS-180300
Carrying case	Soft case
Shoulder strap / Touch pen	✓
Calibration certificate	✓

## GENERAL SPECIFICATION

Dimension	6.25H x 8.58W x 2.75D inches (159H x 218W x 70D mm, excluding rubber bumper)
Weight	3.75pounds (1.70kg with battery)
Operating conditions	-10~50°C
Storage conditions	-20~60°C
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 - XXX - XXX

### Model •

OTDR: VIEW600

### Optical Configuration •

Module 1: 1310 / 1550nm

Module 2: 1310 / 1550 / 1625nm

Module 3: 1310 / 1550nm and 1625nm live port

Module 4: 1310 / 1550nm

Module 5: 1310 / 1550nm and 1625nm live port

\*Module 6: 850 / 1300nm

\*Module 7: 850 / 1300 / 1310 / 1550nm

Module 8: 1310 / 1550nm

Module 9: 1310 / 1550 / 1625nm

Module 10: 1310 / 1550nm and 1625nm live port

Module 11: 1310 / 1550nm and 1650nm live port

Module 12: 1625nm live port

Module 13: 1650nm live port

### 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

### Power Meter •

P0: without Power Meter

PM: with Power Meter

### Power Meter Connector Adapter<sup>a)</sup> •

PMC1: FC(UPC and APC)

PMC2: SC(UPC and APC)

PMC3: ST/UPC

### Light Source •

LS0: without VFL & Light Source    LS2: with Light Source

LS1: with VFL

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: VIEW600-Module 1-OS-CNT2-PM-PMC1-LS3-MS1-HC1

<sup>a)</sup> If Power Meter selected.

\* Module 6 and Module 7(for multimode fiber measurement are still belong developed and will be available soon.

## 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 VIEW600, 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).