

Fiber Instrument Sales, Inc

OVX Series Next Generation OTDR



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OVX Series

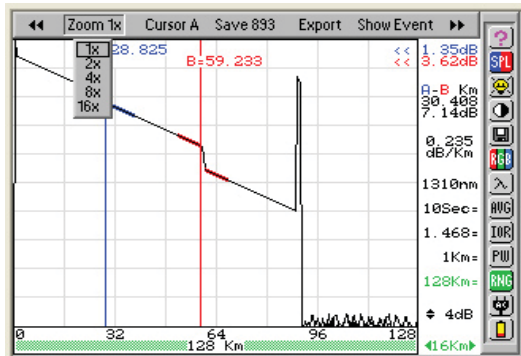
Next Generation OTDR

The FIS OVX Series, Next Generation OTDR incorporates all the features that are truly needed in hand-held OTDRs. Speed, dynamic range, easy to read color display, rugged package, short dead Zone, light weight and ease of use and of course all at an affordable price. All these aspects of the Next Gen. OTDR are what make it ideal for every day use in the field on a wide variety of networks. This OTDR can be appreciated by both the seasoned OTDR user as well as the novice.

Available in dual singlemode, dual multimode and quad wavelength configurations. The OTDR has one button testing with the press of the Auto Test button to get you started and with the easy to use zoom button and A/B cursor button, testing is made easy and fast.

The Next Gen OTDR has a 32 dB dynamic Range and a 2 meter dead zone, making it ideal for links up to 250km as well as being ideal for short LAN links in your own facility. Weighing in at under 2.0 pounds the hardened case and durable boot make this a rugged OTDR ideal for all conditions.

An event table on the OTDR with pass/fail feature and the supplied Telcordia SR4731 compatible software with multitrace capability make trace analysis and reporting fast and easy. The OTDR has on board storage of 1000 traces with the ability to download traces directly to your computer via USB cable or to a USB Flash Drive.



The screenshot shows the OTDR's event table. It is a table with 6 columns: #, P/F, METERS, SPLICE, 2POINT, dB/Km, and TYPE. The table contains 5 rows of data, with the first four rows representing splice events and the fifth row representing an end event. The table also includes a 'Show Trace' button and a vertical toolbar on the right side.

#	P/F	METERS	SPLICE	2POINT	dB/Km	TYPE
1	✓	184	+ 0.12	+ 0.00	- 0.03	Splic
2	✗	363	+ 1.08	+ 0.04	+ 0.23	Splic
3	✗	545	+ 0.95	+ 0.04	+ 0.26	-55dB
4	✓	729	+ 0.97	+ 0.05	+ 0.32	-64dB
5		911	- 1.81	+ 0.04	+ 0.22	End

Use the optional power meter and light source capabilities to accomplish loss test measurements. When paired with a companion power meter or light source the units have auto-wavelength and auto-test capabilities.

Features

- ◆ 32 dB Dynamic Range
- ◆ Event Table with Pass/Fail Feature
- ◆ SM, MM and Quad Units Available
- ◆ Short Dead Zone
- ◆ One Button Testing
- ◆ Visible Fault Locator
- ◆ Integrated Auto-Wavelength Loss Test Set Option
- ◆ Onboard Memory for 1000 traces
- ◆ USB Flash Drive Port and Mini USB Port
- ◆ Light Weight Rugged Case
- ◆ Telcordia SR4731 Compatible Software Included
- ◆ Easy To Read Color Display
- ◆ On-Screen Tutorials
- ◆ Long Battery Life



1 800 5000 FIS
1 800 5000 347

161 clear Rd • Oriskany, NY 13424
 Tel 315-736-2206 • FAX 315-736-2285
 sales@fiberinstrumentsales.com
 www.fiberinstrumentsales.com

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OVX-OTDR Specifications:	
Wavelength	850, 1300, 1310 1550nm ±20nm
Dynamic Range	32dB
Pulse Width	2m, 10m, 100m, 1km
Units of Measurement	km, kf
Event Dead zone	2m
Attenuation Dead Zone	9m
Resolution	25cm
Distance Uncertainty	±(0.75m + 0.005% x distance + sampling resolution)
Distance Range	0.25 - 250km
Real-time Refresh Rate	4 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Typical Real-Time Refresh Rate	4 Hz
Linearity	± .05 dB/dB
Memory Capacity	1000
Memory Type	Internal and Flash Drive
Power Supply / Charger	Universal
Storage Temperature	-20 to 60 C
Operating Temperature Range	-10 to 50 C
Dimensions (without rubber boot)	7.75" L x 4.5" W x 2.25" H (197mm L x 114mm W x 57mm H)
Weight	2 lbs
Communications ports	USB and USB Flash Drive Ports
Connector Styles	FC, ST, SC Interchangeable
Accessories Provided	Universal Power Adapter w/US, UK, Continental Europe, and Australian Plugs, Interchangeable FC/ST and SC Adapters, Windows/Telcordia SR4731 Software, Rubber Boot

Preliminary Specifications

TTI Reserves the right to change specifications without notice

Visible Light Source	
Emitter Type	Laser
Wavelength	650nm ±5nm
Laser Safety Class	Class IIFDA21 CFR1040.10 &1040.11 IEC 825-1: 1993
Connector Type	2.5mm Universal
Output Power	1mW Max.

Preliminary Specifications

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Power Meter Specifications: Optional	
Detector Type	InGaAs
Connector Type	2.5mm Interchangeable
Dynamic Range	+5 to -77dB
Calibrated Wavelengths	850,1300,1310,1490,1550,1625nm
Units of Measurement	dBm, dB
Resolution	.01 dB
Power Measurement Uncertainty	± 0.18 dB under reference conditions, ± 0.25 dB from 0 to -65 dBm, ± 0.35 dB from 0 to +5 dBm and from -65 to -77 dBm
Power input Range	+5 to -77dBm
Autotest Range	0 to -40dB

Preliminary Specifications

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Light Source Specifications: Optional	
Fiber Type	Singlemode
Wavelengths	1310, 1550nm ±20nm
Output Power	-3dBm
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	CW, 270 Hz, 1000 Hz, 2000 Hz

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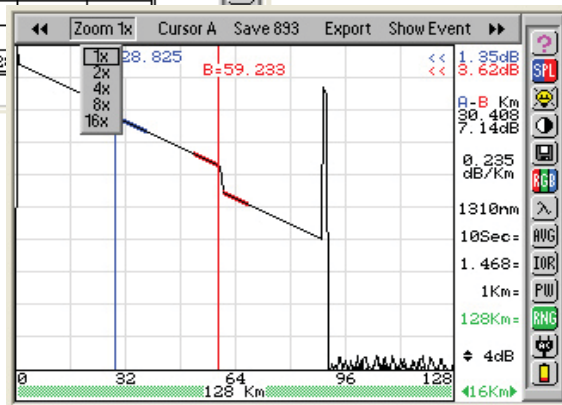
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Ordering Information:

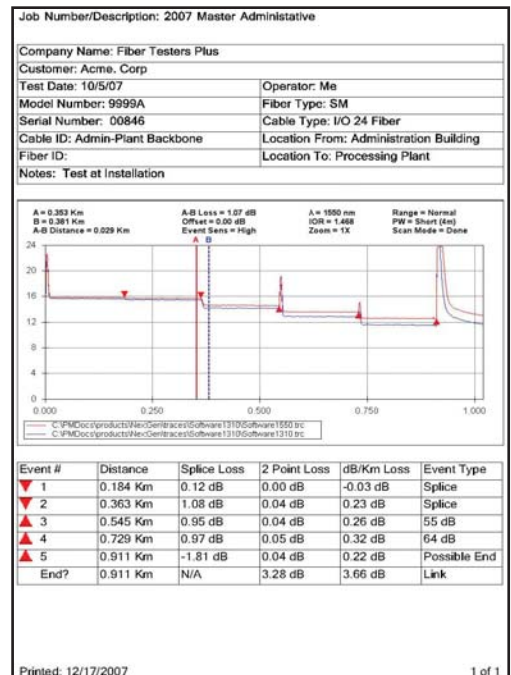
OVX-8513	Multimode OTDR 850/1300nm
OVX-1315	Singlemode OTDR 1310/1550nm
OVX-Quad	Quad Wavelength OTDR 850/1300/1310/1550 nm
OVX-8513-TS	Multimode OTDR 850/1300nm with Power Meter and Light Source
OVX-1315-TS	Singlemode OTDR 1310/1550nm with Power Meter and Light Source
OVX-Quad-TS	Quad Wavelength OTDR 850/1300/1310/1550 nm with Power Meter and Light Source

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Event Table



Typical Trace



Report printout of software included with the OVX Next Gen OTDR



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