



## FEATURES

- 38 dB Dynamic Range
- Event Table with Pass/Fail Feature
- SM, MM, Triple Wave & Quad Units Available
- Short Dead Zone
- One Button Testing
- Video Inspection Capability
- Trace Overlay Capability
- Visible Fault Locator
- Integrated Auto-Wavelength Loss Test Set
- Onboard Memory for ~500 traces
- USB Flash Drive Port and Mini USB Port
- Light Weight Rugged Enclosure
- Telcordia SR4731 Compatible Software
- On-Screen Tutorials
- Long Battery Life

The FIS Advanced Mini 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, ease of use and of course all at an affordable price. All these aspects of the Advanced Mini OTDR are what makes it ideal for every day use in the field on a wide variety of networks. This OTDR can be operated by the novice while at the same time be appreciated by the seasoned user.

This unit is Standard in dual singlemode, dual multimode and quad wavelength configurations. Testing is made simple and fast with the press of the Auto Test button. Examine the trace using the straight forward zoom feature, A/B cursor selection button and touch-wheel. Zero in on events fast with the powerful Event Selection feature or with the event analysis table.

The Advanced Mini OTDR's abundant dynamic Range and a <1 meter dead zone, makes it ideal for links up to 160km as well as being perfect for short LAN links within the facility. Weighing in at just 2.0 pounds with a hardened enclosure this OTDR is ideal for all conditions. The rubber boot with bail will add protection and provides a the ideal angle for viewing the display while operation on a work bench.

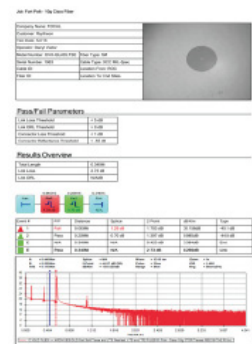
Trace analysis and reporting is fast and easy with a Pass/Fail feature, onboard event table or the supplied Telcordia SR4731 compatible software with multi-trace capability. The OTDR has on board storage of 1000 traces with the ability to download traces directly to your computer via USB cable or use a USB Flash Drive.

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.

Filename	WL	Rng	Pd	Date
Admin_HPE~1	1310	64km	1us	09/21 09:13
Admin_HPE~2	1550	64km	1us	09/21 09:13
Admin_HPE~3	1310	64km	1us	09/21 09:14
Admin_HPE~4	1550	64km	1us	09/21 09:14
Admin_HPE~5	1310	64km	1us	09/21 09:15
Admin_HPE~6	1550	64km	1us	09/21 09:16
Admin_HPE~7	1310	64km	1us	09/21 09:16
Admin_HPE~8	1550	64km	1us	09/21 09:17
Admin_HPE~9	1310	64km	1us	09/21 09:17
Admin_HPE~10	1550	64km	1us	09/21 09:18

Cable #4 SM 24 fiber LT

#	P/F	KM	SPLICE	SPJNT	DB/KM	TYPE
1		0.2643	+1.493	+0.268	+0.889	Splice
2	X	0.5448	+1.365	+0.045	+0.326	Loss
3	X	0.7279	+1.559	+0.041	+0.271	Loss
4	X	0.9995	+0.664	-0.063	-0.557	Loss
E	✓	0.9995	-NA-	+4.362	+5.191	Link



File Management Screen (FMS)

Event Table

Printout from Report Software

# FIS ADVANCED MINI OTDR



## SPECIFICATIONS

Wavelength	850, 1300, 1310, 1490, 1550, 1625nm ±20nm
Dynamic Range	850/1310nm MM 26/27dB 1310/1490/1550/1625nm SM 36/35/35/35 (850/1300/1310/1550nm 26/27/36/35) 1310/1550nm EXT SM 38/38
Pulse Width	5 - 20,000 ns
Units of Measurement	km, ft, kf, mi
Event Dead zone	1m
Attenuation Dead Zone	4m
Resolution	.125 - 32m
Distance Uncertainty	±(0.75m + 0.005% x distance +sampling resolution)
Distance Range	1-64km MM , 1-240km SM
Typical Real-time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Memory Capacity	~ 500 traces
Memory Type	Internal and Flash Drive
Power Supply / Charger	Universal
Battery	8hr
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 (0.9 kg)
Communications ports	USB and USB Flash Drive Ports
Connector Styles	FC, ST, SC Interchangeable

### 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.

### Power Meter Specs

Detector Type	InGaAs
Connector Type	Interchangeable FC,SC,ST, 2.5mm Univ. and 1.25mm Univ.
Dynamic Range	+5 to -77dB (CATV - +25 to -57dB)
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

### Light Source Specs

Fiber Type	Singlemode, Multimode
Wavelengths	850, 1300, 1310, 1490, 1550, 1625nm ±20nm
Output Power	0 dBm (-3dBm @ 1625nm)
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	CW, 270 Hz, 1000 Hz, 2000 Hz

Accessories Provided	Universal Power Adapter w/US, UK, Continental Europe, and Australian Plugs Interchangeable FC/ST and SC OTDR Adapters, FC/ST/SC/ 2.5mm & 1.25mm Univ. Power Meter Adapters. Android Application, Windows Compatible Software, Rubber Boot and Manual on CD
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## ORDERING INFORMATION

OVX-8513	Multimode OTDR 850/1300nm
OVX-1315	Singlemode OTDR 1310/1550nm
OVX-131516	TRI Wavelength OTDR 1310/1550/1625nm
OVX-Quad	Quad Wavelength OTDR 850/1300/1310/1550 nm
OVX-8513-LTS	Multimode OTDR 850/1300nm with Power Meter
OVX-1315-LTS	Singlemode OTDR 1310/1550nm with Power Meter and Light Source
OVX-131516LTS	TRI Wavelength OTDR 1310/1550/1625nm with Power Meter
OVX-Quad-LTS	Quad Wavelength OTDR 850/1300/1310/1550 nm with Power Meter
OVX-Quad-LTSE	Quad Wavelength OTDR 850/1300/1310/1550nm with Loss Test Set
F10VXHRDCSE	Hard Carry Case