

FIS DELUXE Mini OTDR

The FIS Deluxe Mini OTDR offers powerful testing capabilities for all types of optical networks. It is a compact and durable instrument with an intuitive user interface that's suitable for indoor or outdoor operation. The power and features are designed to suit both experienced users as well as new optical technicians. The simple one button Auto Test feature will detect the optimal pulse width, range and duration setting for the fiber under test. For multimode testing the launch condition can be adjusted for either 62.5 or 50mm fibers. The advanced event and trace analysis features give comprehensive and accurate results. Selectable dual trace mode tests two wavelengths at the same time and overlays the trace results. To facilitate file sharing both the trace files and the included software are Telcordia compatible. The high dynamic range provides plenty of performance for testing metro and FTTH PON networks, even through high port count splitters. The on-screen help menu makes it quick and easy to learn the various feature.



Includes Lilon batteries, AC charger, USB cable, one interchangeable adapter for each launch port and software. The optional hard case includes extra storage space for additional accessories like launch spools, adapters and other handheld test equipment.

FIS DELUXE Mini OTDR

FEATURES

- One Button Testing
- 2.5 Meter Event Deadzone
- 8hr Battery Life
- Handheld and only 2.2lbs
- Telcordia compatible trace files
- TFT color display
- Sophisticated Analysis Software
- Storage of up to 500 traces
- USB and RJ-45 Interfaces

SPECIFICATIONS

Available Configurations.....	SM (1310/1550nm) MM (850/1300nm) QUAD (850/1300/1310/1550nm)
Dynamic Range (dB, 1us PW / 180s scan).....	SM (29@1310nm / 28@1550nm) MM (24@850nm / 25@1300nm)
Pulse Widths (ns).....	10,30,100,275,1000,2500 SM ,10k SM
Linearity (dB/dB).....	+/-0.03
Event Deadzone (10ns PW).....	2.5 meters (typical)
Attenuation Deadzone (10ns PW).....	MM 11 meters (typical) SM 11meters@1310nm / 12 meters@1550nm (-45dB)
Distance Range (km).....	MM (0.10,0.25,0.50,1.25,2.5,5,10,20,40) SM (0.65 to 160)
Loss Threshold (dB).....	0.01
Loss Resolution (dB).....	0.01
Sampling Resolution (meters).....	0.16 to 2.5 (MM) / 0.16 to 5 (SM)
Sampling Points.....	30,000
Distance Uncertainty (meters).....	+/- (0.75 + 0.0025% x distance)
Measurement Time (sec).....	5 to 180
Stable Source Output Power (dBm, typical).....	-6 ^{850nm} / -1.5 ^{1300nm} / -6.5 ^{1310nm} / -6.5 ^{1550nm}
Size and Weight.....	(LxWxH) 9.9" x 4.9" x 3" / 2.2lbs
Battery.....	LI-ION 8hrs
Temperature (storage / operating) (°C).....	-40 to +70 / -10 to +50

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TRACE ANALYSIS SCREEN

OTDR - Macrobend10nsm60sec.trc ■ VFL ■ OTDR 

Events 1310nm (9µm)

Type	#	Loc. (km)	Loss (dB)	Ref. (dB)	Cumul. (dB)
→	1	0.000		-46.5	0.00
↘	2	7.407	0.01	-49.2	2.87
↘	3	12.641	0.45	-45.9	5.22
↘	4	17.245	0.15	-43.1	6.98
↘	5	17.993	0.49		7.77
Σ	6	18.051	--	>-16.7	7.88

◀ Trace... Events ▶

ORDERING INFORMATION

PART #	DESCRIPTION
OVH-8513	Multimode OTDR 850/1300nm
OVH-1315	Singlemode OTDR 1310/1550nm
OVH-QUAD	Quad OTDR 850/1300/1310/1550nm
OVH-CASE	Hard Carry Case



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