FIS OV-350 SERIES DWDM OTDR



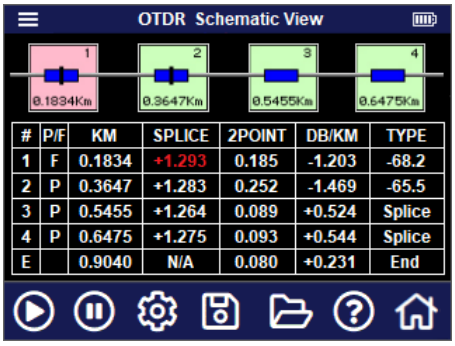
Part #: OVDWOTDR

FEATURES

- Tunable OTDR with 96 C Band Wavelengths
- Tunable CW/Pulsed Laser Source
- 50/100GHz Spacing
- Touch Screen Operation
- Fib-R-Map Comprehensive Event Analysis
- 35 dB OTDR Dynamic Range
- 10 Hour Li-ion Battery Pack
- Report Generating Software Included
- 4″Touch Color Display
- 650nm VFL included
- Rugged Case w/ Impact Resistant Bumpers
- Auto Center/Pass/Fail Fiber Inspector For VIS300 Option
- Dimensions 6″(W) x 5.25″(H) x 2″(D)
- ITU Ch. 14.0 - 62.5
- Auto-Test Mode

The FIS OV-DWDM OTDR is a handheld tunable DWDM OTDR supporting 96 C-Band wavelengths (1527-1566nm) in a single compact instrument with spacing down to 50GHz. It also operates as a tunable laser source with the same frequencies & 3 dB output range, making it ideal for certifying and troubleshooting DWDM networks.

The One-Touch Auto Test enables automated multi-wavelength testing with pass/fail results using Fib-RMap trace analysis. The OV-DWDM OTDR with 35dB dynamic rangecan test through MUX/DEMUX units or be used as a DWDM tunable laser source. Professional network documentation is generated with the included FIS Connect certification software. The unit also supports an auto-center, pass/fail video inspection scope (VIS300 probe sold separately).



#	P/F	KM	SPLICE	2POINT	DB/KM	TYPE
1	F	0.1834	+1.293	0.185	-1.203	-68.2
2	P	0.3647	+1.283	0.252	-1.469	-65.5
3	P	0.5455	+1.264	0.089	+0.524	Splice
4	P	0.6475	+1.275	0.093	+0.544	Splice
E		0.9040	N/A	0.080	+0.231	End

Fib-R- Map Event Analyzer Screen



VIS300 Probe works with any OV350 Platform!

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SPECIFICATIONS

Wavelength Range	(ITU ch 14 - 62.5) 1527-1566nm
Dynamic Range	35dB
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)m
Full Scale Distance Range	0.25-260km
Typical Real-time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Memory Capacity	1,000+
Memory Type	Internal
Power Supply / Charger	USB, 5V 2A
Battery	Li-pol, 10hr typical
Storage Temperature	-20 to 60°C
Operating Temperature Range	-10 to 50°C
Dimensions	5.25L 6.125x25'H/ (133mm Lx 15/m x64mm H))
Weight	1.5 lbs (0.7 kg)
Communications Ports	USB-C
Connector Styles	Choice of SC/APC or FC/APC
Accessories Included	5V, 3.4A USB Wall Charge with USB cable, 2 stylus

TUNABLE LIGHT SOURCE

Frequency Range	191.4 - 196.25 THz (ITU CHs14-62.5)
Frequency Accuracy	1.5 GHz
Line Width	1 MHz
Side Mode Suppression Ration	30 dB
Output Power	0 dB
Minimum Channel Spacing	50 GHz (0.4nm)
Fiber Type	9/125 µm APC
Relative Intensity Noise	-140 dB/Hz

VFL SPECIFICATIONS

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.

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ORDERING INFORMATION

OVDWOTDR	1527-1566nm OTDR-DWDM /Tunable Source and Video Scope and Probe Capable
VIS300	Optional Inspection Probe with 2.5mm & 1.25mm Universal Inspection Tips (200x)

LAUNCH REELS

PS13150PYAYA	FIS Launch Reel - 150m, SM (9um) fiber - SC/APC to SC/APC connectors
PS13150PYALU	FIS Launch Reel - 150m, SM (9um) fiber - SC/APC to LC/UPC connectors
PS13150PYAYU	FIS Launch Reel - 150m, SM (9um) fiber - SC/APC to SC/UPC connectors

ACCESSORIES

F17020C	FIS Connector Cleaner Universal Blue Housing w/20'Tape
F16715	FIS Bulkhead Ferrule Cleaner 2.5mm Connectors - Gray Tip
F16716	FIS Bulkhead Ferrule Cleaner 1.25mm connectors - Blue Tip
F1ADPTKIT	FIS Adapter Kit (includes 24 connector adapters for SC, LC, ST, FC, MU)

RELATED PRODUCTS

OV1315	FIS SM OTDR - 1310/1550, SC/APC (32 dB Dynamic Range), PM/VFL
OV8513	FIS MM OTDR - 850/1300, SC/UPC (26 dB Dynamic Range), PM/VFL
OVQUAD	FIS SM/MM OTDR - 850/1300/1310/1550, SC adatpers (32/26 dB Dynamic Range), PM/VFL
OVPONL	FIS SM PON OTDR - 1310/1550 + 1650 LIVE, SC/APC, 37 dB Dynamic Range, PM/VFL
OV1315EX	FIS SM OTDR (1310/1550) w/ extended dynamic range 37dB, SC/APC, PM/VFL
OVQUADEX	FIS SM/MM OTDR (850/1300/1310/1550) with extended dynamic range 37dB, SC adapters, PM/VFL)
Power Requirements	Power through USB connection

EZPONPMPLUS	FIS Downstream PON Power Meter (1490/1550/1577), SC/APC
EZPM	FIS Easy Tester Power Meter w/ VFL (-70dBm to + 5dBm)
EZPMCATV	FIS Easy Tester CATV Power Meter w/ VFL (-45dBm to +23dBm)
EZLS1315	FIS Light Source - SM (1310/1550nm) w/ VFL
EZLS8513	FIS Light Source -MM (850/1300nm) w/ VFL
EZLSQUAD	FIS Light Source - SM/MM (850/1300/1310/1550nm) w/ VFL