



# Precision Rated Optics

Work with a PRO!

## OFT-CWDM Series

### 4 Channel CWDM OTDR



Manufactured in the USA, the OFT-CWDM-SB and OFT-CWDM-LB are ruggedized, compact OTDRs that are available in a variety of wavelengths, with up to four wavelengths per unit. The standard wavelengths are: 1471, 1491, 1511, 1531nm (SB) and 1551, 1571, 1591, 1611nm (LB). Other wavelength combinations are available upon request. The OFT-CWDM Series is water, dust and shock resistant, has onboard storage for 500 traces, video inspection capability and a USB port for easy data transfer.

Manufactured, sold, serviced and supported in the USA, the OFT-CWDM Series comes standard with FC/ST and SC connectors, Telcordia software and a 1-year manufacturer's warranty.

- Manufactured in the USA
- Water, Dust and Shock Resistant
- 32 dB Dynamic Range
- Video Inspection Capability
- USB Flash Drive Port and Mini USB/PC Port

#### Power Meter

Detector Type	InGaAs
Connector Types	FC, ST and SC
Dynamic Range	+5 ~ -77dB (CATV: +25 ~ -57dB)
Calibrated Wavelengths	850 ~ 1625 nm
Units of Measurement	dBm, dB
Resolution	.01 dB
Power Measurement Accuracy	± 0.18 dB under reference conditions, ± 0.25 dB from 0 ~ -65 dBm ± 0.35 dB from 0 ~ +5 dBm and from -65 ~ -77 dBm
Power input Range	+5 ~ -77dBm

#### Light Source

Fiber Type	Singlemode
Wavelengths	1471/1491/1511/1531nm ±3nm or 1551/1571/1591/1611nm ±3nm
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, 1,000 Hz, 2000 Hz

#### Visual Fault Locator

Emitter Type	Laser
Wavelength	650nm ±5nm
Laser Safety Class	Class II/FDA21 CFR1040.10 & 1040.11 IEC 825-1: 1993
Connector Type	2.5mm Universal
Output Power	1mW Max.

#### SPECIFICATIONS

Item / Model No.	OFT-CWDM-SB	OFT-CWDM-LB
Wavelength Range	1471/1491/1511/ 1531nm (±3nm)	1551/1571/1591/ 1611nm (±3nm)
Dynamic Range	32dB	
Pulse Width	5 to 20,000 ns	
Units of Measurement	km, kf, mi	
Event Dead Zone	1m	
Attenuation Dead Zone	4m	
Resolution	.125 ~ 32m	
Full Scale 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	
Power Supply	Universal AC/DC / Charger	
Battery	Rechargeable NiMH (>8 hrs. Operating Time)	
Battery Capacity	>8 hrs	
Operating Temperature	14° F ~ 122° F (-10° C ~ 50° C)	
Storage Temperature	-4° F ~ 140° F (-20° C ~ 60° C)	
Weight	2 lb (907 g)	
Warranty	Standard 1-Year Manufacturer Warranty	

#### OFT-CWDM Series Standard Package Includes:

Universal AC/DC Power Adapter/Charger w/US, UK, Continental Europe, and Australian Plugs, Interchangeable FC, ST and SC Adapters, Manual and/or Software Download Card, Soft Carrying Case

#### Ordering Information

OFT-CWDM-SB	1471, 1491, 1511, 1531nm CWDM Wavelengths
OFT-CWDM-LB	1551, 1571, 1591, 1611nm CWDM Wavelengths

P/N: OFT-CWDM Series v.01.26.18

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