

CWDM Optical Time Domain Reflectometer

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The TTI FTE-7500-CWDM is available in a variety of wavelengths with up to four wavelengths per units. The Standard units are 1471/1491/1511/1531nm and 1551/1571/1591/1611nm. Other wavelengths combinations are available upon request. This OTDR is fast, easy to use, affordable and rugged. Use the light sources in CW mode with the onboard broadband power meter with selectable wavelengths. All the features expected in a hand held OTDR and more are incorporated in the FTE7500 series. It boast a short dead zone, bright 4" color display and with an onboard context sensitive help system the OTDR has a minimal learning curve for all users. The 1/2 second trace updates and great dynamic range make this unit perfect for maintenance and trouble shooting. The TTI FTE-7500 weighs in at less then 2.0 pounds with a hardened water resistant enclosure, this OTDR is great for all conditions. The rubber boot with bail will add protection and provides the ideal angle for viewing the display while operating on a work bench. Trace analysis and reporting is fast and easy with a Pass/Fail feature, onboard event table and 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.



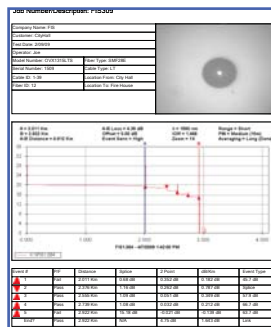
Features:

- Instant On
- Fast Real time
- 30 dB Dynamic Range
- Flexible Wavelength Configuration
- Event Table with Pass/Fail Feature
- Short Dead Zone
- Broadband Power Meter
- Trace Overlay Capability
- Onboard Memory for 1000 traces
- Visible Fault Locator
- USB Flash Drive Port and Mini USB Port
- On-Screen Tutorials
- Light Weight Rugged Enclosure
- Easy To Read Color Display
- Telcordia Compatible Software Included
- Long Battery Life

Return	Copy	Rename	Delete	Mark	Dual	Extern
[Free: 1]	013	Default: 013				
001	Default: 001	014	Default: 014			
002	Default: 002	015	Default: 015			
003	Default: 003	016	Default: 016			
004	Default: 004	017	Default: 017			
005	Default: 005	018	Default: 018			
006	Default: 006	019	Default: 019			
007	Default: 007	020	Default: 020			
008	Default: 008	021	Default: 021			
009	Default: 009	022	Default: 022			
010	Default: 010	[Free: 972]				
011	Default: 011					
012	Default: 012					

Timestamp: 01/16/09 09:24

File Management Screen (FMS)



Printout from Report Software

Sense Hi	Splice <0.20	OURL <60	Link Loss <5	Show Trace		
#	P/F	KM	SPLICE	2POINT	DB/KM	TYPE
1	X	0.3643	+1.303	+0.268	+0.809	Splice
2	X	0.5440	+1.366	+0.045	+0.306	-53.9
3	X	0.7278	+1.359	+0.041	+0.271	-62.3
4	X	0.9096	+0.664	-0.083	-0.557	>-21
E	✓	0.9096	-NA	+4.382	+5.191	Link

Trace Analysis Screen



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Made In the USA

FTE7500-CWDM OTDR Specifications:

Wavelength ¹	1471/1494/1511/1531nm ±3nm or 1551/1571/1591/1611nm ±3nm
Dynamic Range	30dB
Pulse Width	20 - 10,000 ns
Units of Measurement	km, kf, mi
Event Dead zone	2m
Attenuation Dead Zone	5m
Resolution	.25 - 64m
Distance Uncertainty	±(0.75m + 0.005% x distance + sampling resolution)
Full Scale Distance Range	1-64km MM , 1-240km SM
Typical Real-time Refresh Rate	4 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Memory Capacity	1000
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 (w/out 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

1. In accordance with ITU-T G.694.2 CWDM wavelength standards

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 Specifications

Detector Type	InGaAs
Connector Type	2.5mm Interchangeable
Dynamic Range	+5 to -77dB (CATV - +25 to -57dB)
Calibrated Wavelengths	1471/1491/1511/1531/1551/1571/1591/1611nm
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

Light Source Specifications

Fiber Type	Single mode, Multimode
Wavelengths	1471/1494/1511/1531nm ±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, 1000 Hz, 2000 Hz

TTI reserves the right to change specifications without notice.

Ordering Information

FTE-7500-147/149/151/153	850/1300nm Multimode Dual Wavelength OTDR W/VFL and LTS
FTE-7000-155/157/159/161	1310/1550nm Single Mode Dual Wavelength OTDR W/VFL and LTS
VP-100	Video Probe
FTE-SCASE-LG	Soft Case for FTE-6000, 7500 and 8000 Series



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