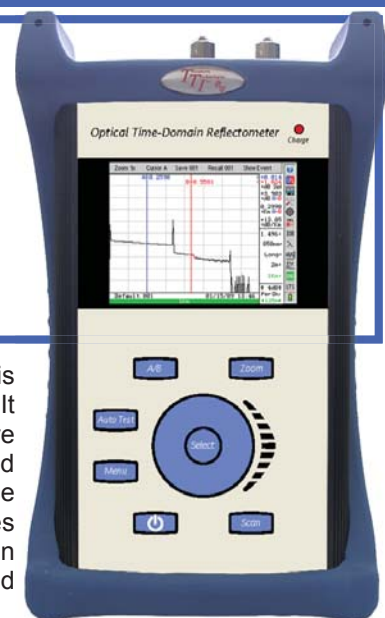


**FTE 7500**

- Instant On • Fast Real time • 32 dB Dynamic Range
- Event Table with Pass/Fail Feature • Short Dead Zone
- SM, MM and Quad Units Available • One Button Testing
- Trace Overlay Capability • Onboard Memory for 1000 traces
- Integrated Auto-Wavelength Loss Test Set • Visible Fault Locator
- USB Flash Drive Port and Mini USB Port • On-Screen Tutorials
- Light Weight Rugged Enclosure • Easy To Read Color Display
- Telcordia SR4731 Compatible Software Included • Long Battery Life



Use the integrated power meter and light source capabilities to accomplish insertion loss test measurements. When paired with our companion power meter or light source the units have auto-wavelength and auto-test capabilities for advanced end to end measurements.

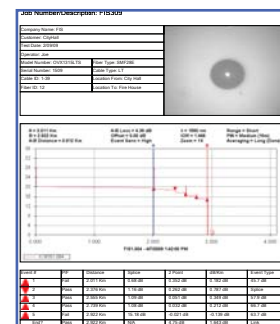
Return	Copy	Rename	Delete	Mark	Dual	Extern
[Free: 1]		013	Default: 013			
001	Default: 001	014	Default: 014			
002	Default: 002	015	Default: 015			
003	Default: 003	016	Default: 016			
004	Default: 004	017	Default: 017			
005	Default: 005	018	Default: 018			
006	Default: 006	019	Default: 019	91/01	1.468s	TOR
007	Default: 007	020	Default: 020	1550nm		↗
008	Default: 008	021	Default: 021	Short:	HV	
009	Default: 009	022	Default: 022	2m:	FL	
010	Default: 010	(Free: 972)		1Km:	ENG	
011	Default: 011				LTS	
012	Default: 012					

Timestamp: 01/16/09 09:24

## File Management Screen (FMS)

#	P/F	KM	SPLICE	2POINT	DB/KM	TYPE
1	X	0.3649	+1.305	+0.268	+0.809	Splc
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



Printout from Report Software



Made In the USA

**Terahertz Technologies Inc.**  
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E-mail: [sales@terahertztechnologies.com](mailto:sales@terahertztechnologies.com)  
Web: [www.terahertztechnologies.com](http://www.terahertztechnologies.com)

## FTE7500-OTDR Specifications:

Wavelength	850, 1300, 1310, 1550, 1625nm ±20nm
Dynamic Range	27/26dB MM, 32/30dB SM, 30/29/29 TRI
Pulse Width	20 - 10,000 ns
Units of Measurement	km, kf
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

TTI reserves the right to change specifications without notice.

## 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	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
Power input Range	+5 to -77dBm
Autotest Range	0 to -40dB

## Light Source Specifications

Fiber Type	Single mode, Multimode
Wavelengths	850, 1300, 1310, 1550, 1625 nm ±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

## Ordering Information

FTE-7500-8513	850/1300nm Multimode Dual Wavelength OTDR W/VFL and LTS
FTE-7000-1315	1310/1550nm Single Mode Dual Wavelength OTDR W/VFL and LTS
FTE-7500-QUAD	850/1300/1310/1550nm Quad Wavelength OTDR W/VFL and LTS
FTE-7500-131516	1310/1550/1625nm Triple Wavelength OTDR W/VFL and LTS

For CATV power meter specifications, add "-C" to the end of the part number



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