

# PON OTDR

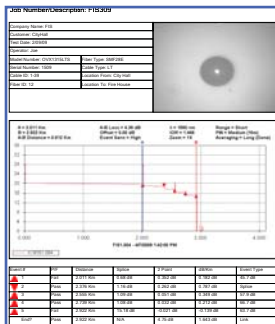
FTE7500ACT

The TTI FTE-7500-131516ACT OTDR offers a standard SM OTDR at 1310/1550nm, an in service OTDR at 1625nm, fiber optic inspection scope, broadband autotest loss test set and a visible fault locator. This fast, easy to use, affordable and rugged OTDR boasts all these features at a most affordable price. The unit is housed a handheld package with a short dead zone, bright 4" color display and an on-board context sensitive help system that keeps the learning curve to a minimum for all users. The 1/2 second trace updates and great dynamic range make this unit perfect for maintenance and trouble shooting your PON system, just use the Auto Test button to get started. The TTI FTE-7500 PON OTDR weighs in at less then 2.0 pounds and 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 most anywhere. TTI offers an optional soft carry case with shoulder strap that has a pouch for keeping your video probe close, a second removable accessory pouch and the cover that also serves as a stand to keep the unit in a good working position. With its advanced capabilities and ease of use, this unit can be appreciated by novice and seasoned users alike. 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.



## Features:

- Instant On
- Fast Real time
- 32 dB Dynamic Range
- Event Table with Pass/Fail Feature
- Test Through 1/64 splitter
- Event Table with Pass/Fail Feature
- Short Dead Zone
- One Button Testing
- Trace Overlay Capability
- Onboard Memory for 1000 traces
- Auto-Wavelength Loss Test Set
- Visible Fault Locator
- USB Flash Port and Mini USB Port
- On-Screen Tutorials
- Light Weight Rugged Enclosure
- Easy To Read Color Display
- Software Included
- Long Battery Life



Printout from Report Software

Return	Copy	Rename	Delete	Mark	Dual	Extern
[Free: 11]	013	Default t. 013				
001	Default t. 001	014	Default t. 014			
002	Default t. 002	015	Default t. 015			
003	Default t. 003	016	Default t. 016			
004	Default t. 004	017	Default t. 017			
005	Default t. 005	018	Default t. 018			
006	Default t. 006	019	Default t. 019			
007	Default t. 007	020	Default t. 020			
008	Default t. 008	021	Default t. 021			
009	Default t. 009	022	Default t. 022			
010	Default t. 010	[Free: 972]				
011	Default t. 011					
012	Default t. 012					

Timesamp: 01/16/09 09:24

File Management Screen (FMS)

Sense Hi	Splice <0.20	DRL <60	Link Loss <5	Show Trace	
P/F	KH	SPLICE	2POINT	DB/KH	TYPE
1	X 0.3643	+1.308	+0.268	+0.309	Solc
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	✓ 0.9896	-NR-	+4.382	+5.191	Link

Trace Analysis Screen



Made In the USA

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## FTE7500-ACT OTDR Specifications:

Wavelength	1310, 1550, 1625nm ±20nm
Dynamic Range	31/30/30 dB
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-7000-131516ACT	1310/1550/nm, and Active 1625nm Triple Wavelength OTDR W/VFL and LTS
FTE-SCASE-LG	Soft case for the FTE600-7500 and 8000 series



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