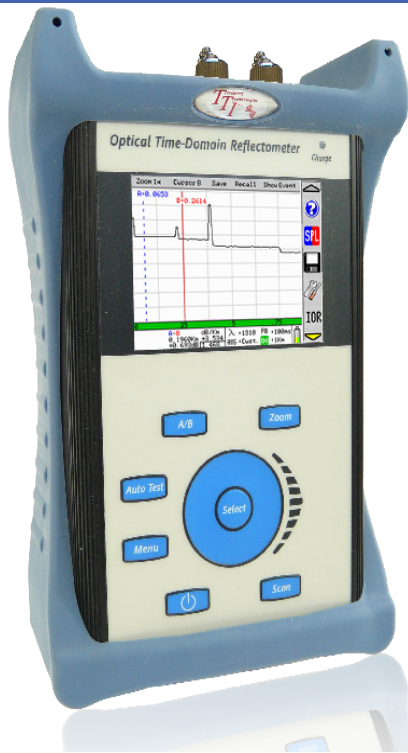


# Optical Time Domain Reflectometer

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## Features:

- Instant On
- 36 dB Dynamic Range
- Short 1 meter Dead Zone
- SM, MM, Triple and Quad Units Available
- Fiber Inspection Video Probe Port
- Visible Fault Locator
- Onboard Memory of ~500 traces
- Auto-Wavelength Power Meter
- Stable Light Source
- Event Table with Pass/Fail Feature
- Light Weight Rugged Enclosure
- Telcordia SR4731 Compatible Software
- Full Auto, Construction and Expert Modes

The FTE-7500A Optical Time Domain Reflectometer performs a wide variety of functions as well as being a fast, simple to use OTDR. Its instant on feature, ease of use, rugged housing and affordable price make this the best day to day unit on the market. This unit includes a integrated Video Scope, Visual Fault Locator, AutoTest /AutoWave Power Meter and CW Light Source. It is available in 850/1300nm dual multi mode, 1310/1550nm Dual Singlemode, Tri 1310/1550/1625nm and 850/1300/1310/1550nm quad wavelength versions. The 1310/1550/1625nm model can be a dark fiber single port model or dual port system with a filtered 1625nm port for active fiber testing. Custom wavelengths may be requested to meet individual needs.

The FTE-7500A has a 36dB dynamic range and a 1 meter dead zone. These specifications, and a full set of operational modes, such as; one button fault finder, construction, real time and full manual mode, make it perfect for testing and troubleshooting requirements, in LAN networks to Metro networks.

The FTE-7500A OTDR also includes a Visual Fault Locator, AutoTest/AutoWave Power Meter, Stable Light Source and a Video Inspection Scope (probe sold separately).

This unit includes all the features expected in today's hand held OTDR; bright 4" color display, immediate start up, USB flash, internal storage, event table with pass/fail threshold setting and onboard context sensitive help which keeps the learning curve as short as possible.

The FTE-7500A weighs in at less than 2.0 pounds and with a hardened water resistant enclosure, this OTDR is great for all working conditions. The rubber boot with bail adds protection and provides the ideal angle for viewing the display while operating on a work bench.

Print professional reports that can include; loss tests set measurements and connector end face images with the included "CertSoft" certification software suite.

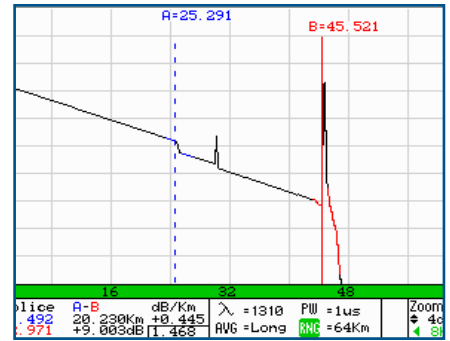


Made In the USA

Terahertz Technologies Inc.  
169 Clear Rd, Oriskany NY 13424  
888 U.S.-OTDRS (876-8377)  
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# FTE750A-OTDR Specifications:

Wavelength	850, 1300, 1310, 1550, 1625nm ±20nm
Dynamic Range	27/26dB MM, 36/34/34dB SM, Extended Range 38dB
Pulse Width	5 - 20,000 ns
Units of Measurement	km, kf, mi
Event Dead zone	1m
Attenuation Dead Zone	4m
Data Points	up to 120,000
Resolution	.125 - 32m
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	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Memory Capacity	~500
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 and Manual on CD



Large Trace Display

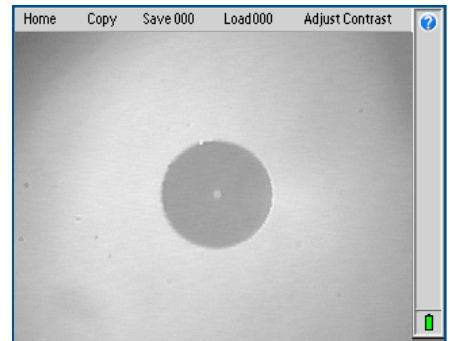
#	P/F	KM	SPLICE	2POINT	DB/KM	TYPE
1	X	25.278	+1.491	+8.613	+0.345	Splice
2	✓	30.719	+0.535	+1.689	+0.334	-39.4
3	X	45.521	+2.971	+5.174	+0.359	-11.5
4	✓	45.521	-NA-	+17.73	+0.392	Link

Trace Analysis with Pass Fail Feature

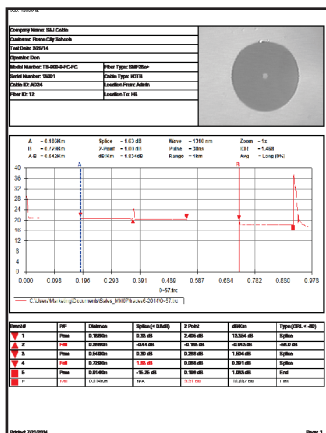
Filename	WL	Rng	PW	Date
Admin_HPE-1	1310	64km	1us	09/21 09:13
Admin_HPE-2	1550	64km	1us	09/21 09:13
Admin_HPE-3	1310	64km	1us	09/21 09:14
Admin_HPE-4	1550	64km	1us	09/21 09:14
Admin_HPE-5	1310	64km	1us	09/21 09:15
Admin_HPE-6	1550	64km	1us	09/21 09:16
Admin_HPE-7	1310	64km	1us	09/21 09:16
Admin_HPE-8	1550	64km	1us	09/21 09:17
Admin_HPE-9	1310	64km	1us	09/21 09:17
Admin_HPE-10	1550	64km	1us	09/21 09:18

Cable #4 SM 24 fiber LT

User Friendly File Management



Integrated Video Scope



TTI reserves the right to change specifications without notice.

Use TTI's CertSoft™  
Software Suite to Generate  
OTDR Test Reports that contain  
Connector Image and Loss Test  
Set Readings,



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web: www.teratec.us

## Visible Light Source

Emitter Type	Laser
Wavelength	650nm ±5nm
Connector Type	2.5mm Universal
Output Power	1mW Max.

## Laser Safety

Class IIFDA21 CFR1040.10 &1040.11  
IEC 825-1: 1993



## 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
Auto Test 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

*TTI reserves the right to change specifications without notice.*

## Ordering Information

FTE-7500A-8513	850/1300nm Multimode Dual Wavelength OTDR W/VFL and LTS
FTE-7500A-1315	1310/1550nm Single Mode Dual Wavelength OTDR W/VFL and LTS
FTE-7500A-1315EXT	38dB 1310/1550nm Single Mode Dual Wavelength OTDR W/VFL and LTS
FTE-7500A-QUAD	850/1300/1310/1550nm Quad Wavelength OTDR W/VFL and LTS
FTE-7500A-131516	1310/1550/1625nm Triple Wavelength OTDR W/VFL and LTS
FTE-7500A-131516-ACT	1310/1550/1625nm Triple Wavelength OTDR with Filtered 1625nm Port, VFL and LTS
FTE-SCASE-LG	Soft Case for FTE-7500 and FTE-8000 Series
CI1100	Video Probe for FTE7500 and FTE-8000 Series

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

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