Optical Time Domain Reflectometer

Features:

- 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

The TTI Future Gen OTDR is fast, easy to use, affordable and rugged. This OTDR boasts all the features that are truly needed in a hand-held OTDR. It has 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. All these aspects of the Future Gen OTDR are what makes it ideal for every day use in the field on a wide variety of networks. This OTDR can be operated by the novice while at the same time be appreciated by the seasoned user.



The FTE-7500 is sold in a variety of configurations and is standard in dual single mode, dual multimode and quad wavelength configurations. Use the Autotest button for one button testing. Examining the trace is easy using the straight forward zoom feature, A/B cursor selection button and touch-wheel. Move to events easily by pressing the select button while in trace view or with an event highlighted in the Event Analysis screen.

The Future Gen OTDR's abundant dynamic Range and a 2 meter dead zone, makes it ideal for links up to 240km as well as being perfect for short LAN links within the facility. 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.

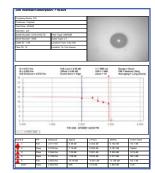
Use the integrated power meter and light source capabilities to accomplish insertion loss test measurements. When paired with our companion power meter or light source the units have auto-wavelength and auto-test capabilities for advanced end to end measurements.

Reti	urn Copy	Rename	De	lete	Mark	Dual	Extern	0
	[Free:	11	013	Defa	ult.0	13		SPL
001	Default.	001	014	Defa	ult.0	14		TRE
002	De faul t.	002	015	Defa	ult.0	15		32
003	Default.	003	016	Defa	ult.0	16		€
004	Default.	004	017	Defa	ult.0	17	01/01	₩.
005	Default.	005	018	Defa	ult.0	18		
006	Default.	006	019	Defa	ult.0	19	1.468=	IOR
007	Default.	007	020	Defa	ult.0	20	1550nm=	λ
008	Default.	008	021	Defa	ult.0	21	Short=	AVG
009	Default.	009	022	Defa	ult.0	22	2m=	PΨ
010	Default.	010		[F	ree:9	721	1Km=	_
011	Default.	011					1KM=	RNG
012	Default.	012						LTS
Timestamp: 01/16/09 09:24								





Trace Analysis Screen



Printout from Report Software



Made In the USA

Terahertz Technologies Inc. 169 Clear Rd., Oriskany NY 13424 Phone: 315-736-3642 Fax: 315-736-4078 E-mail: sales@terahertztechnologies.com Web: 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	

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	

TTI reserves the right to change specifications without notice.

Software, Rubber Boot

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





Terahertz Technologies Inc. 169 Clear Rd., Oriskany NY 13424

Phone: 315-736-3642 Fax: 315-736-4078 E-mail: sales@terahertztechnologies.com Web: www.terahertztechnologies.com