

Optical Time Domain Reflectometer

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Features:

- 39 dB Dynamic Range
- 12 Hour Battery Life w/2 Hour Quick recharge
- Auto-Grade Fault Finder
- Express Help System
- Bluetooth Operation with Android Devices
- Video Scope With Auto Pass/Fail/Center
- Fib-R-Map Event Analyzer
- Macro Bend and Bidirectional Analysis
- Full Auto, Construction and Expert Modes
- Instant On, Immediate Scan
- Live Fiber Detection
- Onboard Memory of ~4000 traces
- CW / Fiber Identifier Light Source
- CertSoft Report Software with .sor Capability
- Real Time System ORL

The FTE7000A-PON Optical Time Domain Reflectometer is designed for PON network applications. With 38/39/38dB at 1310, 1550 and 1625nm, there is abundant range to meet your PON network requirements. The FTE7000A series is a simple to operate touch screen unit with a bright color display. As with our other FTE7000A units, it has an auto centering and auto Pass Fail video inspection system for use with the optional VIS300 video probe.

The FTE7000A-PON units have our rechargeable lithium Ion battery pack that supports up to 12 hours of operation with a quick 2 hour recharge cycle. This unit includes all the features expected in today's hand held OTDR and more; bright color touch screen, project management, file storage, Fib-R-Map schematic event analysis, pass/fail threshold settings and onboard context sensitive Express Help system to keep the learning curve short and simple.

This OTDR may also be operated via Bluetooth with our Android app which is a real time application for your compatible Android tablet or phone.

The FTE7000A weighs less than 2.0 pounds, and with a hardened water resistant enclosure in a sturdy rubber boot, this OTDR is great for all working conditions. You can print professional reports that include; Fib-R-Map schematic analysis, loss tests set measurements and video inspection images with the included "CertSoft" certification software suite.



Made In the USA

Terahertz Technologies Inc.

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Toll Free 888-U.S.-OTDRS (876-8377)

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Specifications

Wavelength	1310, 1550 and 1625 nm +/-20nm
Dynamic Range	38/39/38 dB
Pulse Width	5 - 20,000 ns
Units of Measurement	km, ft, kf, mi
Event Dead zone	1m
Attenuation Dead Zone	4m
Resolution	.125 - 32m
Distance Uncertainty	$\pm(0.75m + 0.005\% \times \text{distance} + \text{sampling resolution})$
Full Scale Distance Range	0.25-260km SM
Typical Real-time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	$\pm .1 \text{ dB/dB}$
Memory Capacity	~4000
Memory Type	Internal
Power Supply / Charger	Universal
Battery	Li-ion 12 hr typ.
Storage Temperature	-20 to 60 C
Operating Temperature Range	0 to 40 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	1.7 lbs (0.8 kg)
Communications ports	USB and Bluetooth
Connector Styles	Interchangeable
Accessories Provided	Universal Power Adapter w/US, UK, Continental Europe, and Australian Plugs, Interchangeable FC and SC adapters for OTDR, Android Application, Windows Compatible Software, Rubber Boot and Manual on CD

TTI reserves the right to change specifications without notice.

Light Source

Fiber Type	Single mode
Wavelengths	1310, 1550 and 1625nm +/- 20nm (as order with OTDR)
Output Power	0 dBm
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	CW, 270 Hz, 1000 Hz, 2000 Hz

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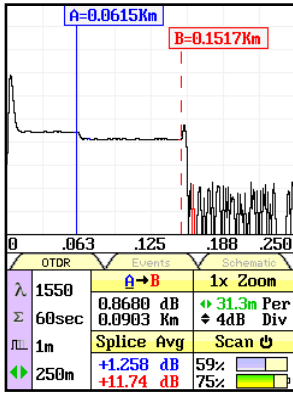
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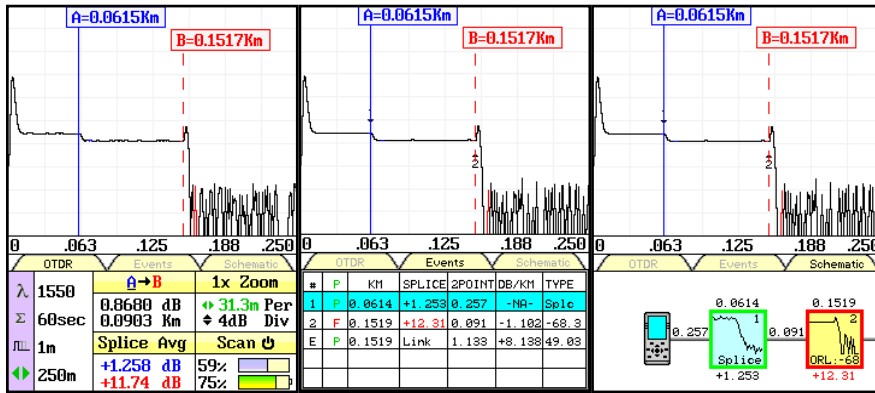
Large - Easy to Read Trace/Events, Icons and Measurements

Range	1	4	16	64	256
Pulse W.	10	30	100	300	1k
Avg. (s)	◀	30	60	120	▶
Wave L.	850	1300	1310	1550	
D. Unit	Km	kf	Mi		
PW. Unit	Meters	Nanosec's			
Event Sense	Low Medium High				
IOR	1	2	3	4	5
Loss Thresh	0.25	0.5	1	2	5
Link Thresh	1.25	2.5	5	10	20
Date	June 2013				
Time	11:47				
Return					

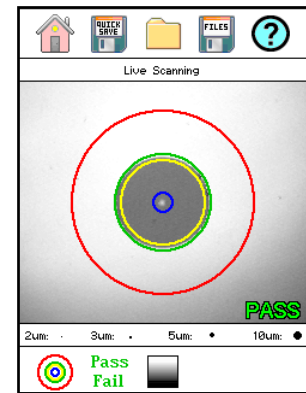
Intuitive Expert Parameter Screen

#	P	KM	SPLICE	2POINT	DB/KM	TYPE
1	F	0.2226	+0.618	0.008	+0.050	-51.1
2	F	0.3951	+1.558	0.049	+0.311	-45.6
3	F	0.7750	+1.935	0.013	+0.038	Splice
E		1.2079	N/A	-1.045	-2.486	End
L	P	1.2079	Link	3.201	+2.718	37.9

Event Analysis with Fib-R-Map Schematic View



Simple Tab Selection to Change Between Views of the Trace with Overlay of Parameters and Measurements, Event Table or Schematic View.



Auto Center/Pass/Fail Video Inspection System

Ordering Information

FTE-7000A-PON	1310/1550nm with 1625 Active, PON OTDR with Video Scope Capability and CW Light Source (Probe Sold Separately)
VIS300	Video Probe

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