Optical Time Domain Reflectometer

FTE7000A

Features:

- 36 dB Dynamic Range W/1 Meter Dead Zone
- Touch Screen or Key Pad Operation
- Video Scope With Auto Pass/Fail
- Available as a Low Cost, Economy OTDR
- Bluetooth Android Tablet Operation
- Fib-R-Map Event Analyzer
- Macro Bend and Bidirectional Analysis
- Full Auto, Construction and Expert Modes
- SM, MM, Triple and Quad Units Available
- 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 FTE-7000A Optical Time Domain Reflectometer performs a wide variety of functions as well as being a fast, simple to use touch screen 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 an integrated Video Scope (Probe sold separately) with Auto pass/fail analysis and automatic image centering (Not available on Economy OTDR). The light source may be use as a CW source for fiber Identification or loss test set operation with the onboard power meter. (Power meter not included with Economy or QUAD wave OTDRs) It's available in 850/1300nm dual multimode, 1310/1550nm dual singlemode (Standard or Economy), triple wave and 850/1300/1310/1550nm quad wavelength versions.

The FTE-7000A has a 36dB dynamic range (34dB for Economy OTDR) and a 1 meter dead zone. These specifications, and a full set of operational modes, such as; one button fault finder, construction mode, real time and full manual mode, make it ideally suited for testing and troubleshooting of high density PON, Metro and Access networks.

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 help to keep the learning curve as short as possible. This OTDR may be operated via Blue tooth, with compatible Android devices and our free app. (Bluetooth not available with the Economy OTDR)

The FTE-7000A weighs less then 2.0 pounds and with a hardened water resistant enclosure, this OTDR is great for all working conditions. Print professional reports that include; Fib-R-Map schematic analysis, loss tests set measurements and connector end face images with the included "CertSoft" certification software suite.

TTI

Made In the USA

Terahertz Technologies Inc.
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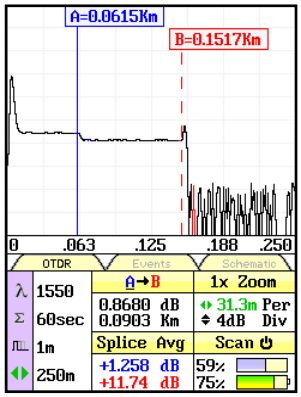
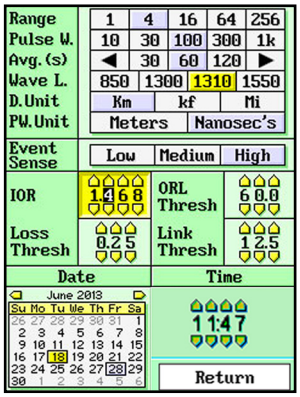
FTE7000A-OTDR Specifications:

Wavelength	850, 1300, 1310,1550 and 1625 ±20nm (Economy OTDR 1310/1550nm only)
Dynamic Range	26/27dB MM, 36/35/35dB SM, (Economy OTDR 34/33dB)
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	±(0.75m + 0.005% x distance + sampling resolution)
Full Scale Distance Range	0.25-64km MM , 0.25-260km SM
Typical Real-time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Memory Capacity	~1000
Memory Type	Internal
Power Supply / Charger	Universal
Battery	Li-ion 10hr typ.
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	1.7 lbs (0.8 kg)
Communications ports	USB and Bluetooth (No Bluetooth on Economy OTDR)
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 (choice of one with Economy OTDR), Android Application, Windows Compatible Software, Rubber Boot and Manual on CD

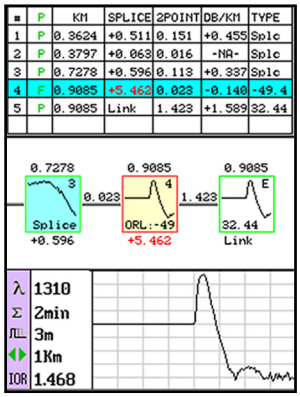
TTI reserves the right to change specifications without notice.



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



Intuitive Expert Parameter Screen



Fib-R-Map Schematic Event Analysis

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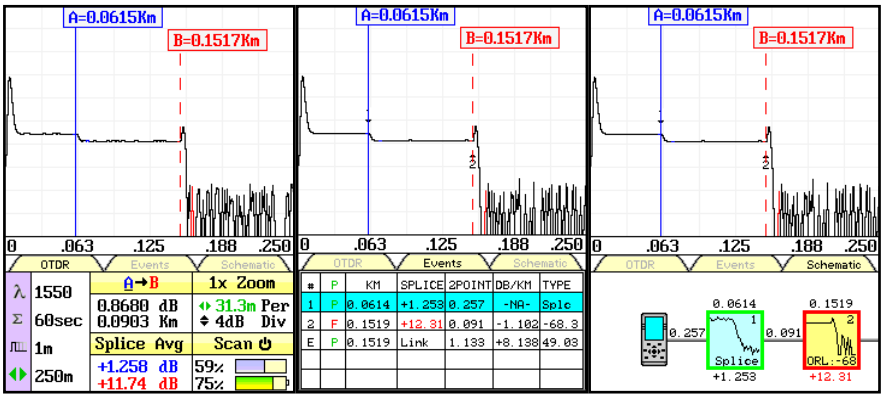
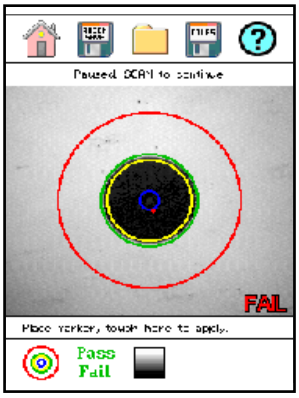


Simple Tab Selection to Change Between Views of the Trace event overlay with Parameters and Measurements, Event Table or Schematic View.



IEC61300-3-35
Auto Pass/Fail
Video Inspection System
(Not available on Economy OTDR)

Power Meter Specifications (Not available on Economy OTDR)

Detector Type	InGaAs
Connector Type	2.5mm Interchangeable
Dynamic Range	+5 to -77dB (CATV - +25 to -57dB)
Calibrated Wavelengths	850,1300,1310,1490,1550 and 1625nm
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
Units of Measurement	dBm, dB
Resolution	.01 dB

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Light Source Specifications

Fiber Type	Singlemode, Multimode
Wavelengths	850,1300,1310,1490,1550 and 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

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Ordering Information

FTE-7000A-8513	850/1300nm Multimode Dual Wavelength OTDR with Video Scope Capability and LTS
FTE-7000A-1315	1310/1550nm Singlemode Dual Wavelength OTDR with Video Scope Capability and LTS
FTE-7000A-QUAD	850/13001310/1550nm Quad Wavelength OTDR with Video Scope Capability
FTE-7000A-ECON	34/33dB, 1310/1550nm, Dual Wave Singlemode Economy OTDR
VIS300	Video Probe

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