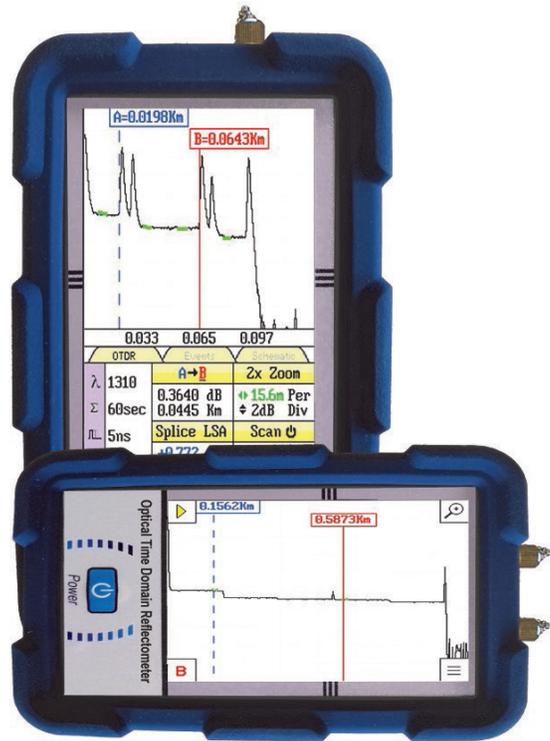


FTE-7100

Features:

- Up to 38 dB Dynamic Range
- 1 Meter Dead Zone
- Touch Screen
- Video Scope With Auto Pass/Fail Option
- VFL & Power Meter Options
- Bluetooth Android Tablet Operation
- Fib-R-Map Event Analyzer
- Macro Bend and Bidirectional Analysis
- Full Auto, Construction and Expert Modes
- SM, MM, Quad, PON & CWDM Units Available
- Instant On, Immediate Scan
- Live Fiber Detection



Optical Time Domain Reflectometer

Advanced features in a small package: The MICROTDR series is the smallest full-featured color touchscreen OTDR on the market. 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 as short as possible.

Easy-to-use: The MICROTDR is a user-friendly touch screen unit with a bright color display and automatic screen rotation for portrait or landscape trace viewing. It operates in simple fault finder mode, construction or expert modes.

Powerful and customizable: When equipped with the optional video scope, it is a powerful video inspection system with IEC61300-3-35 auto pass/fail capabilities. Additional optional features include a broadband power meter and visual fault locator. The MICROTDR is available in a variety of styles, including standard SM, MM and QUAD configurations as well as CWDM and PON versions.

Bluetooth compatible with Real-Time functionality: The OTDR is operated/charged with a standard 5V, USB charging system, or use the USB cable to connect the OTDR to a laptop for full real-time operation on Windows™. It can also be operated via Bluetooth with a compatible Android phone or tablet.



Terahertz Technologies

169 Clear Rd., Oriskany NY 13424 Toll Free: 888-U.S.- OTDRS
Phone: 315-736-3642 Fax: 315-736-4078
sales@teratec.us www.teratec.us



Made In the USA

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 **TREND NETWORKS**

FTE-7100 OTDR

Specifications	
Wavelength	850, 1300, 1310, 1550nm
Dynamic Range	29/30dB MM, 36/35dB or 37/38dB SM
Pulse Width	5 - 20,000 ns
Units of Measurement	km, ft, kf, mi
Event Dead zone	1m
Attenuation Dead Zone	5m
Resolution	.125 - 32m
Distance Uncertainty	$\pm(0.75m + 0.005\% \times \text{distance} + \text{sampling resolution})$
Full Scale Distance Range	0.25-64km MM , 0.25-256 SM
Typical Real-time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Sampling Point	Up to 64,000
Linearity	± 0.03 dB/dB
Loss Threshold Analysis	0.01 dB
Memory Capacity	~40,000
Memory Type	Internal
Power Supply / Charger	100-240V USB Charger 5V, 2.1A Output
Battery	Li-Poly 10hr typ.
Storage Temperature	-20 to 60 C
Operating Temperature Range	-10 to 50 C
Dimensions (w/out rubber boot)	6.25" L x 4.125" W x 1.875" H (159mm L x 105mm W x 48mm H)
Weight	1.5 lbs (0.7 kg)
Communications ports	USB and Bluetooth
Connector Styles	Choice of FC, ST, SC
Accessories Provided	USB Charge Adapter, Choice of FC/ST and SC Adapters, Android Application, Windows Compatible Software, Rubber Boot and Manual on CD

TTI reserves the right to change specifications without notice

Light Source	
Fiber Type	Singlemode, and/or Multimode As per Laser Configuration
Wavelengths	850, 1300, 1310, 1490 or 1550nm
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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FTE-7100 OTDR

VFL (Option)	
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.

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



Power Meter (Option)	
Detector Type	InGaAs
Connector Type	ST, FC, SC, 1.25mm and 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

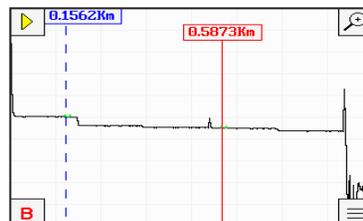
Ordering Information	
FTE-7100-1315-36	36/35dB, 1310/1550nm Dual Wavelength MICROTDR
FTE-7100-1315-38	37/38dB, 1310/1550nm Dual Wavelength MICROTDR
FTE-7100-8513	29/30 dB, 850/1300nm Dual Wavelength MICROTDR
FTE-7100-QUAD-34	29/30/36/35, 850/1300/1310/1550nm QUAD Wave MICROTDR
FTE-7100-QUAD-38	29/30/37/38dB, 850/1300/1310/1550nm QUAD Wave MICROTDR

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 ft
PW.Unit	Meters Nanosec's
Event Sense	Low Medium High
IOR	ORL Thresh 6.8.8
Loss Thresh	Link Thresh 1.2.5
Date	Time
June 2013	11:47
Return	

Parameter Settings Screen

Additional Features

- English, French, German or Spanish Operation
- Onboard Memory of ~40,000 traces
- CW / Fiber Identifier Light Source
- CertSoft Report Software
- Real Time System ORL



Large Trace View

#	P	K11	SPLICE	ZPOINT	DB/K11	TYPE
1	P	0.3624	+0.511	0.151	+0.455	Splic
2	P	0.3797	+0.063	0.016	-NR-	Splic
3	P	0.7278	+0.596	0.118	+0.337	Splic
4	P	0.9085	+5.462	0.023	-0.140	-49.4
5	P	0.9085	Link	1.423	+1.589	32.44

Trace Analysis Screen

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