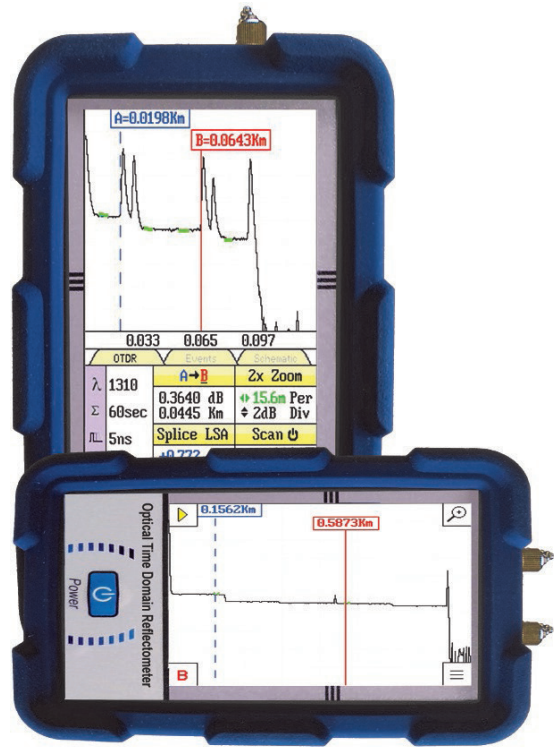


FTE-7100

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

Now a Part of the Trend Networks Group
 **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	$\pm 0.03 \text{ dB/dB}$
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



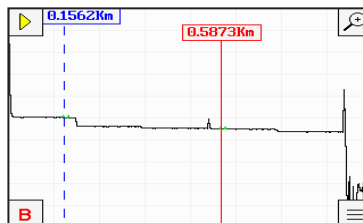
Power Meter (Option)	
Detector Type	InGaAs
Connector Type	ST, FC, SC, 1.25mm and 2.5mm Interchangeable
Dynamic Range	+5 to -77dB (CATV) - +25 to -57dB
Calibrated Wavelengths	850,1300,1310,1490,1550 and 1625nm
Power Measurement Uncertainty	± 0.18 dB under reference conditions, ± 0.25 dB from 0 to -65 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 m
PW.Unit	Meters Nanosec's
Event Sense	Low Medium High
IOR	1.468 6.0.0
Loss Thresh	0.25 1.25
Date	June 2013
Time	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	2POINT	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	F	0.9885	+5.462	0.023	-0.140	-49.4
5	P	0.9885	Link	1.423	+1.589	32.44

Trace Analysis Screen



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