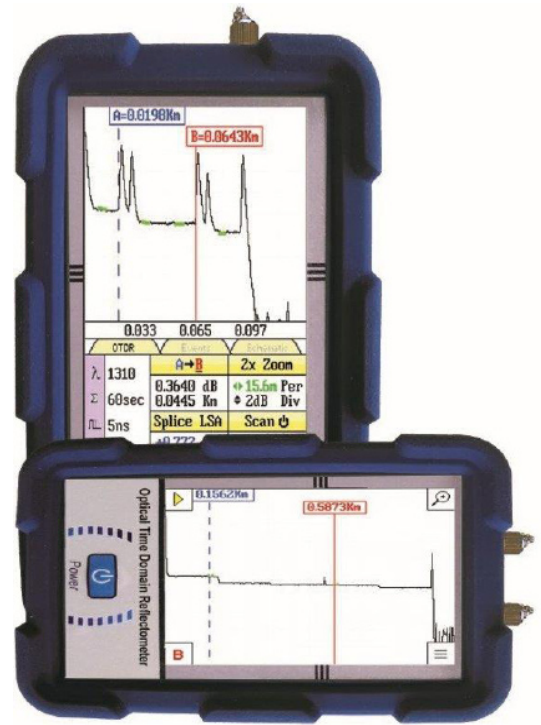


FTE-7100-CWDM MICROTDR

Features:

- Up to 10 CWDM Wavelengths
- 1 Meter Dead Zone
- Touch Screen
- Video Scope Option With Auto Pass/Fail
- VFL & Power Meter Options
- Bluetooth Operation Android Devices
- Fib-R-Map Event Analyzer
- Macro Bend and Bidirectional Analysis
- Full Auto and Expert Modes
- Instant On, Immediate Scan
- Live Fiber Detection



CWDM OTDR

Advanced features in a small package: The FTE-7100 CWDM MICROTDR is the smallest OTDR of its type on the market today. This micro package can support up to 10 CWDM wavelengths. This full-featured OTDR with color touchscreen 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 user-friendly and supports portrait or landscape trace viewing. It operates in simple fault finder mode 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. Other optional features include a broadband power meter and visual fault locator. The CWDM MICROTDR is available in 4, 8 or ten wavelengths. Select from our stand wavelength offerings or design the OTDR as needed by ordering custom wavelength configurations.

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 Inc.
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

FTE-7100-CWDM MICROTDR

Specifications	
Wavelength	1271-1611nm +/- 3nm
Dynamic Range	32 - 34 dB (wavelength dependent)
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	$\pm .05 \text{ dB/dB}$
Memory Capacity	~40,000
Memory Type	Internal
Power Supply / Charger	5V, 1.2A USB Wall Charger
Battery	Li-ion 6hr 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)
Communication ports	Bluetooth and USB
Connector Styles	Choice of FC, SC
Accessories Provided	Choice of FC and SC Adapters, 2 Stylus, 5V, 1.2A USB Wall Charger with USB Cable, 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
Wavelengths	1271-1611nm +/- 3nm Depending on (OTDR Wavelength Configuration)
Output Power	-1 dBm
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	CW, 270 Hz, 1000 Hz, 2000 Hz

VFL (Option)	
Emitter Type	Laser
Wavelength	650nm $\pm$ 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



Terahertz Technologies Inc.
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

FTE-7100-CWDM MICROTRDR

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	CWDM Wavelengths of 1271-1611nm plus 850 and 1300nm
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-CWDM-10	1471-1611 CWDM MICROTRDR - Plus Two Selectable Wavelengths From 1271-1451
FTE-7100-CWDM-8	1471-1611nm CWDM MICROTRDR
FTE-7100-CWDM-CL	1551/1571/1591/1611nm CWDM MICROTRDR
FTE-7100-CWDM-S	1471/1491/1511/1531nm CWDM MICROTRDR

Options	
FTE-7100-VP	Video Scope Option with VIS-300 Video Probe
FTE-7100-PM	Power Meter Option
FTE-7100-VFL	Visible Fault Locator Option

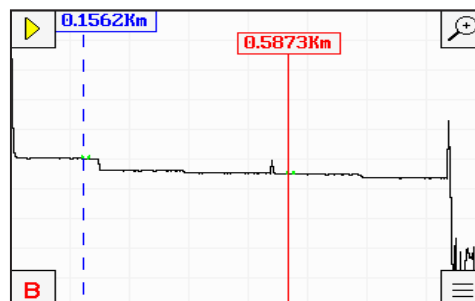
Options must be ordered at at the time of original manufacturing.

Additional Features

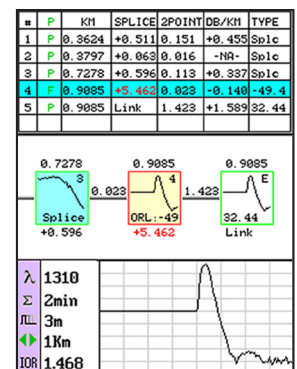
- Onboard Memory of ~40,000 traces
- CW / Fiber Identifier Light Source
- CertSoft Report Software
- Real Time System ORL

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
P.W.Unit	Meters Nanosec's
Event Sense	Low Medium High
IOR	1.468 ORL Thresh 60.0
Loss Thresh	0.25 Link Thresh 12.5
Date	June 2013
Time	11:47
Return	

Parameter Settings Screen



Large Trace View



Trace Analysis Screen



Terahertz Technologies Inc.
 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

TTI makes every effort to insure all statements and information for the products referred to in this document are accurate and reliable. TTI can not accept any responsibility for errors, omissions or miss statements, nor can they accept responsibility for any actions taken based on the information demonstrated herein. TTI reserves the right to make changes of any kind to the product referred to in this document without prior notice.

© 7/2019 Terahertz Technologies Inc.