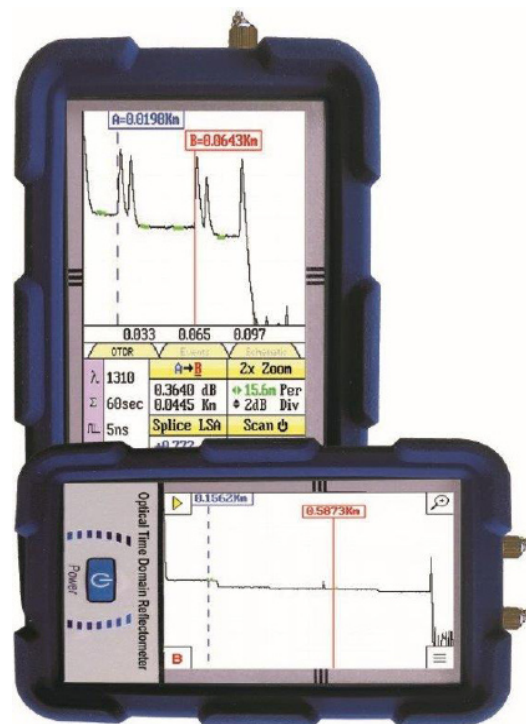


FTE-7100-CWDM MICROTDR

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.



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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



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FTE-7100-CWDM MICROTDR

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 MICROTDR - Plus Two Selectable Wavelengths From 1271-1451
FTE-7100-CWDM-8	1471-1611nm CWDM MICROTDR
FTE-7100-CWDM-CL	1551/1571/1591/1611nm CWDM MICROTDR
FTE-7100-CWDM-S	1471/1491/1511/1531nm CWDM MICROTDR

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

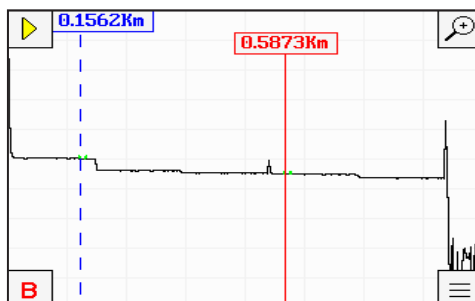
Options must be ordered at at the time of original manufacturing.

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		
PW.Unit	Meters	Nanosec's			
Event Sense	Low Medium High				
IOR	1	4	6	8	
ORL Thresh	6 0.0				
Loss Thresh	0.2 5				
Link Thresh	1 2.5				
Date	June 2013				
Time	11:47				
Return					

Parameter Settings Screen



Large Trace View

#	P	KM	SPLICE	2POINT	DB/KM	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	0.113	+0.337	Splic
4	F	0.9085	+5.462	0.023	-0.140	-49.4
5	P	0.9085	Link	1.423	+1.589	32.44

0.7278	0.9085	0.9085
Splice	ORL: -49	Link
+0.596	+5.462	32.44

λ	1310
Σ	2min
Π	3m
Δ	1Km
IOR	1.468

Trace Analysis Screen



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