

CWDM Optical Time Domain Reflectometer

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Features:

- Instant On
- 32 dB Dynamic Range
- Short 1 meter Dead Zone
- Fiber Inspection Video Probe Port
- Visible Fault Locator
- Onboard Memory of ~500 traces
- Broadband Power Meter
- CW Light Source
- Event Table with Pass/Fail Feature
- Light Weight Rugged Enclosure
- CertSoft Report Software
- Full Auto, Construction and Expert Modes

The FTE-7500A CWDM Optical Time Domain Reflectometer performs a wide variety of functions as well as being a fast, simple

to use 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 a integrated Video Scope, Visual Fault Locator, Broadband Power Meter and CW Light Source. It is available in standard models with 1471/1491/1511/1531nm and 1551/1571/1591/1611nm. Other combination of CWDM wavelengths may be order based on individual needs.

The FTE-7500A-CWDM has a 32dB dynamic range and a 1 meter dead zone. These specifications, and a full set or operational modes, such as; one button fault finder, construction, real time and full manual mode, make it perfect for testing and troubleshooting requirements, in LAN networks to Metro networks.

The FTE-7500A-CWDM OTDR also includes a Visual Fault Locator, Broadband Power Meter, Stable Light Source and a Video Inspection Scope.

This unit includes all the features expected in today's hand held OTDR; bright 4" color display, immediate start up, USB flash, internal storage, event table with pass/fail threshold setting and onboard context sensitive help which keeps the learning curve as short as possible.

The FTE-7500A weighs less then 2.0 pounds and with a hardened water resistant enclosure, this OTDR is great for all working conditions. The rubber boot with bail adds protection and provides the ideal angle for viewing the display while operating on a work bench.

Print professional reports that can include; loss tests set measurements and connector end face images with the included "CertSoft" certification software suite.



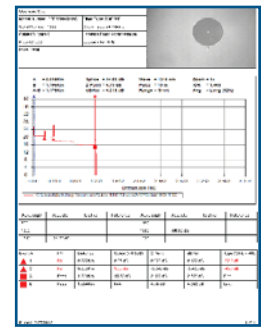
Made In the USA

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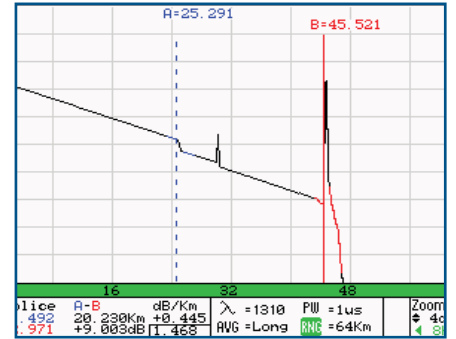
FTE7500A-OTDR Specifications:

Standard Wavelengths	1470/1491/1511/1531 or 1551/1571/1591/1611nm +/- 3nm
Dynamic Range	32dB
Pulse Width	5 - 20,000 ns
Units of Measurement	km, kf, mi
Event Dead zone	1m
Attenuation Dead Zone	4m
Data Points	up to 120,000
Resolution	.125 - 32m
Distance Uncertainty	$\pm(0.75m + 0.005\% \times \text{distance} + \text{sampling resolution})$
Full Scale Distance Range	1-64km MM , 1-240km 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	~500
Memory Type	Internal and Flash Drive
Power Supply / Charger	Universal
Battery	8hr
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	2 lbs
Communications ports	USB and USB Flash Drive Ports
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, Windows/Telcordia SR4731 Software, Rubber Boot and Manual on CD

TTI reserves the right to change specifications without notice.



Use TTI's CertSoft™ Software Suite to Generate OTDR Test Reports that contain Connector Image and Loss Test Set Readings,



Large Trace Display

#	P/F	KM	SPLICE	2POINT	DB/KM	TYPE
1	X	25.278	+1.491	+8.613	+0.345	Splic
2	✓	30.719	+0.535	+1.689	+0.334	-39.4
3	X	45.521	+2.971	+5.174	+0.359	-11.5
4	✓	45.521	-NA-	+17.73	+0.392	Link

Trace Analysis with Pass Fail Feature



Integrated Video Scope

Filename	WL	Rng	PW	Date
Admin_HPE~1	1310	64km	1us	09/21 09:13
Admin_HPE~2	1550	64km	1us	09/21 09:13
Admin_HPE~3	1310	64km	1us	09/21 09:14
Admin_HPE~4	1550	64km	1us	09/21 09:14
Admin_HPE~5	1310	64km	1us	09/21 09:15
Admin_HPE~6	1550	64km	1us	09/21 09:16
Admin_HPE~7	1310	64km	1us	09/21 09:16
Admin_HPE~8	1550	64km	1us	09/21 09:17
Admin_HPE~9	1310	64km	1us	09/21 09:17
Admin_HPE~10	1550	64km	1us	09/21 09:18

Cable #4 SM 24 fiber LT

User Friendly File Management



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Visible Light Source

Emitter Type	Laser Photodiode 1100 - 1700nm InGaAs -70-+9dBm with interchangeable FC Adapter
Wavelength	650nm ±5nm
Connector Type	2.5mm Universal
Output Power	1mW Max.

Laser Safety

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



Power Meter Specifications

Detector Type	InGaAs
Connector Type	2.5mm Interchangeable
Dynamic Range	+5 to -77dB (CATV - +25 to -57dB)
Calibrated Wavelengths	850,1300,1310,1471,1491,1511,11531,1551,1571,1591,1611,1625nm
Units of Measurement	dBm, dB
Resolution	.01 dB
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
Auto Test Range	0 to -40dB

Light Source Specifications

Fiber Type	Single mode, Multimode
Standard Wavelengths	1470/1491/1511/1531and1551/1571/1591/1611nm +/- 3nm
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-7500A-LMNO	1471/1491/1511/1531nm CWDM OTDR W/VFL, LTS, Video Scope and Probe
FTE-7500A-PQRS	1551/1571/1591/1611nm CWDM OTDR W/VFL, LTS, Video Scope and Probe
FTE-SCASE-LG	Soft Case for FTE-7500, FTE-6000 and FTE-8000 Series
VP-100	Video Probe for FTE7500 and FTE-8000 Series

For CATV power meter specifications, add "-C" to the end of the part number
Please call for other wavelength configurations

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