Viper Optical Time Domain Reflectometer

FTE7000

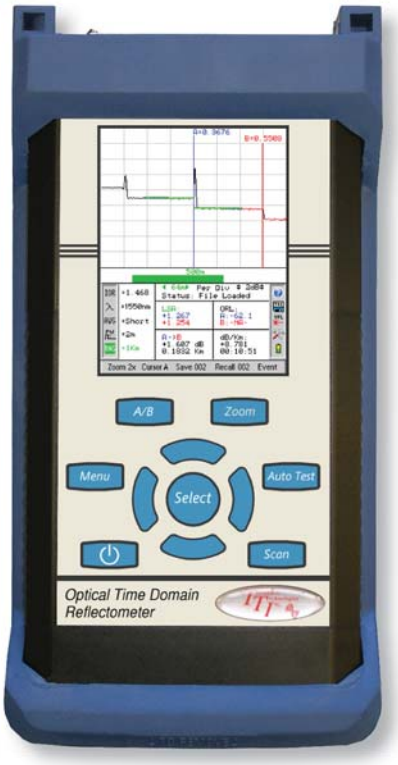
The FTE-7000 Viper OTDR is the most affordable Hand-Held OTDR on the Market today with all of the features of more expensive units. Features such as Trace Overlay, Visual Fault Locator, Loss Test Set, Color Display, One Button Autotest and Event Analysis are included. These are features one would expect to find on units costing thousands more. This OTDR can be operated by the novice while at the same time appreciated by the seasoned user.

This unit is available in dual single mode, dual multimode and single wavelength versions Testing is made simple and fast with the press of the Auto Test button. Examine the trace using the straight forward zoom feature and A/B cursor selection button. Zero in on events fast with the powerful event selection feature or with the event analysis table.

The FTE-7000 OTDR's abundant dynamic range and a 2 meter dead zone, makes it ideal for links up to 240km as well as being perfect for short LAN links within the facility. Weighing in at just over one and a half pounds, this OTDR is ideal for all conditions. The rubber boot with bail adds protection and provides the ideal angle for viewing the display while operating on a work bench.

Use the integrated power meter and light source capabilities to accomplish insertion loss test measurements. When paired with our companion power meter or light source the units have auto-wavelength and auto-test capabilities for advanced end to end measurements.

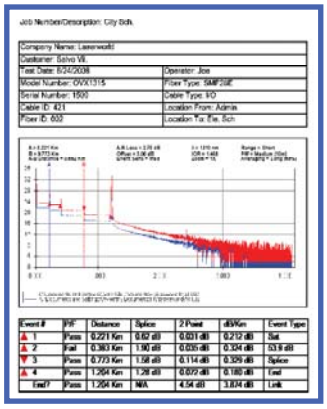
Trace analysis and reporting is fast and easy with the Pass/Fail feature, onboard event table or the supplied Telcordia SR4731 compatible software with multi-trace capability. The OTDR has on board storage of 1000 traces and 10,000 lost tests with the ability to download traces directly to your computer via USB cable.



Features:

- Most Affordable OTDR on the Market
- Short Dead Zone
- 32 dB Dynamic Range
- Integrated Loss Test Set
- Ultra Fast Trace Acquisition
- One Button Testing
- Short Dead Zone
- Trouble Shooting with VFL
- Event Table with Pass/Fail Feature
- Trace Comparison with Trace Overlay
- Super Simple Graphical User Interface
- Easy Training with Onboard Help Screens
- Telcordia Compatible Software Included
- Light Weight Rugged Enclosure
- SM and MM Units Available
- Onboard Memory for 1000 traces
- Easy To Read Color Display

The FTE-7000 is shipped with Telcordia compatible software for easy report generation



Made In the USA

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Viper-OTDR Specifications:

Wavelength	850, 1300, 1310,1550, ±20nm
Dynamic Range	27/26dB MM, 32/30dB SM (FTE-7000E-1310 30dB)
Pulse Width	20 - 10,000 ns
Units of Measurement	km, kf
Event Dead zone	2m
Attenuation Dead Zone	5m
Resolution	.25 - 64m
Distance Uncertainty	±(0.75m + 0.005% x distance + sampling resolution)
Full Scale Distance Range	1-64km MM , 1-240km SM
Typical Real-time Refresh Rate	4 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Memory Capacity	1000
Memory Type	Internal
Power Supply / Charger	Universal
Battery	4hr
Storage Temperature	-20 to 60 C
Operating Temperature Range	-10 to 50 C
Dimensions (without rubber boot)	7.62" L x 3.88" W x 1.56" H (194mm L x 99mm W x 40mm H)
Weight	1.6 lbs.
Communications ports	USB
Connector Styles	FC, ST, SC Interchangeable
Accessories Provided	Universal Power Adapter w/ US, UK, CE, and AU Plugs, Interchangeable FC/ST and SC Adapters, Windows/Telcordia SR4731 Software, Rubber Boot, USB Cable, Manual

TTI reserves the right to change specifications without notice.

Visible Light Source

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.

Power Meter Specifications: Optional

Detector Type	InGaAs
Connector Type	2.5mm Interchangeable
Dynamic Range	+5 to -77dB
Calibrated Wavelengths	850,1300,1310,1490,1550,1625nm
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
Power input Range	+5 to -77dBm
Autotest Range	0 to -40dB

Light Source Specifications: Optional

Fiber Type	Single mode
Wavelengths	850, 1300, 1310, 1550, 1625 nm ±20nm
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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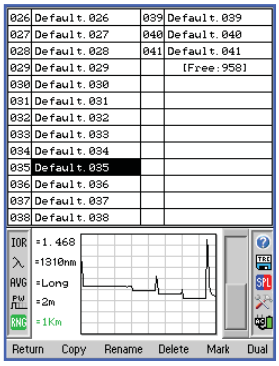
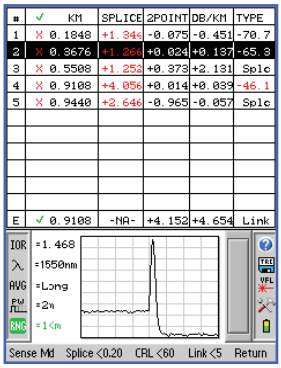
Ordering Information:

FTE-7000-850	Multimode OTDR 850nm W/LTS
FTE-7000-1300	Multimode OTDR 1300nm W/LTS
FTE-7000-8513	Dual Multimode OTDR 850/1300nm W/LTS
FTE-7000-1310	Single mode OTDR 1310nm W/LTS
FTE-7000-1550	Single mode OTDR 1550nm W/LTS
FTE-7000-1315	Single mode OTDR 1310/1550nm W/LTS
FTE-7000E-1310	Economy SM 1310 OTDR (No VFL or LTS)
FTE-7000-BC	Auxiliary Charger Kit



File Management



Event Table

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