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Data Sheet

August 14, 2026

EXFO

Exfo FTB-7500E OTDR Module

Exfo FTB-7500E Metro/Long-Haul OTDR Module The EXFO FTB-7500E is a metro/long-haul singlemode OTDR module with dynamic range up to 45 dB. OEM specification sheet SPFTB7500E lists wavelengths 1310/1550/1625 nm with typical dynamic range at 20 us of 45/45/45 dB, event dead zone 0.8 m, attenuation dead zones 4/4.5/4.5 m, distance ranges to 400 km, linearity +/-0.03 dB/dB, and up to 256000 sampling points. Metro and long-haul fiber characterization, fiber upgrade verification, and high dynamic-range fault location on FTB-200/FTB-500/FTB-2 platforms. The EXFO FTB-7500E is a metro/long-haul singlemode OTDR module with dynamic range up to 45 dB. OEM specification sheet SPFTB7500E lists wavelengths 1310/1550/1625 nm with typical dynamic range at 20 us of 45/45/45 dB, event dead zone 0.8 m, attenuation dead zones 4/4.5/4.5 m, distance ranges to 400 km, linearity +/-0.03 dB/dB, and up to 256000 sampling points. Metro and long-haul fiber characterization, fiber upgrade verification, and high dynamic-range fault location on FTB-200/FTB-500/FTB-2 platforms.



MODEL

Exfo FTB-7500E

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-7500E

LISTING

<https://aumictechlabs.com/products/ftb-7500e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO FTB-7500E is a OTDR module engineered for fiber characterization in metro and long-haul networks. It delivers accurate fault location, splice analysis, and network health assessment

through advanced bidirectional testing and real-time measurement capabilities. The module integrates with EXFO's portable FTB platform family, enabling field technicians to perform comprehensive optical fiber diagnostics across multiple distance ranges and wavelengths.

Technical Specifications

Wavelengths: 1310 nm $\pm$ 20 nm / 1550 nm $\pm$ 20 nm / 1625 nm $\pm$ 10 nm

Dynamic Range (20 μ s pulse): 45 dB across all wavelengths

Event Dead Zone: 0.8 m

Attenuation Dead Zone: 4 m (1310 nm) / 4.5 m (1550/1625 nm)

Distance Range: 1.25 km to 400 km (9 selectable ranges)

Pulse Widths: 5 ns to 20,000 ns (9 settings)

Linearity: $\pm$ 0.03 dB/dB

Loss Threshold: 0.01 dB minimum

Loss Resolution: 0.001 dB

Sampling Resolution: 0.04 m to 5 m

Sampling Points: Up to 256,000

Distance Uncertainty: $\pm$ (0.75 + 0.001 % $\times$ distance + sampling resolution)

Measurement Time: 5 seconds to 60 minutes (user-defined)

Real-time Refresh Rate: Typical 4 Hz

Source Output Power: -1 dBm (FTB-7500E-0023B)

Key Features

- Short dead zones enable event location in densely populated fiber networks
- Exceptional linearity ensures accurate measurements on ultra-long links without resolution compromise
- Bidirectional analysis supported via FastReporter 2 for enhanced splice characterization
- Linear view with icon-based event representation simplifies trace interpretation
- iOLM automation performs high-resolution testing in both directions
- EXFO Connect cloud integration supports automated asset management and test data archival
- Optional macrobend finder and linear view software
- Optional Visual Fault Locator: 650 nm $\pm$ 10 nm CW, 1.5 dBm (1.4 mW) output

Typical Applications

- Metro and long-haul fiber network characterization
- Splice loss and location analysis
- Event identification and fault localization
- Network health assessment and baseline documentation
- Dense fiber infrastructure testing

Compatibility & Integration

Compatible with FTB-500, FTB-400, FTB-200, and FTB-2/FTB-2 Pro platforms. Two configurations available: FTB-7500E-0023B (1310/1550 nm) and FTB-7500E-0034B (1550/1625 nm), both 9/125 μ m single-mode. APC/DIN 47256 and APC/FC narrow key connectors supported; APC recommended for optimal performance.

FTB7500E Characteristics / Specifications

PARAMETER	VALUE
Wavelengths Typical	1310 +/-20 / 1550 +/-20 / 1625 +/-10 nm
Dynamic Range At 20 us	45/45/45 dB typical
Event Dead Zone	0.8 m typical
Attenuation Dead Zone	4/4.5/4.5 m typical
Distance Ranges km	1.25, 2.5, 5, 10, 20, 40, 80, 160, 260, 400
Pulse Widths ns	5, 10, 30, 100, 275, 1000, 2500, 10000, 20000
Linearity	+/-0.03 dB/dB typical
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.04 to 5 m
Sampling Points	up to 256000
Distance Uncertainty	+/- (0.75 + 0.001 percent x distance + sampling resolution) m
Measurement Time	5 s minimum to 60 min maximum
Real Time Refresh Typical	4 Hz
Stable Source Output Power	-1 dBm typical at 1550 nm for 7500E 0023B
Module Form Factor Class	FTB single-slot OTDR module
Platform Compatibility	FTB-200, FTB-500, FTB-2/FTB-2 Pro
Ordering Dual Wavelength Codes	0023B 1310/1550; 0034B 1550/1625
Attenuation	Dead Zone: 4/4.5/4.5 m typical

FTB7500E Specifications

PARAMETER	VALUE
Key Features	Dynamic range up to 45 dB typical
Event dead zone 0.8 m typical	Attenuation dead zone about 4 m class
Technical Specifications	Wavelengths Typical: 1310 +/-20 / 1550 +/-20 / 1625 +/-10 nm

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
Wavelengths Typical	1310 +/-20 / 1550 +/-20 / 1625 +/-10 nm
Dynamic Range At 20 us	45/45/45 dB typical
Event Dead Zone	0.8 m typical
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Distance Ranges km	1.25, 2.5, 5, 10, 20, 40, 80, 160, 260, 400
Pulse Widths ns	5, 10, 30, 100, 275, 1000, 2500, 10000, 20000
Linearity	+/-0.03 dB/dB typical
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.04 to 5 m
Sampling Points	up to 256000
Distance Uncertainty	+/- (0.75 + 0.001 percent x distance + sampling resolution) m
Measurement Time	5 s minimum to 60 min maximum
Real Time Refresh Typical	4 Hz
Stable Source Output Power	-1 dBm typical at 1550 nm for 7500E 0023B
Module Form Factor Class	FTB single-slot OTDR module
Platform Compatibility	FTB-200, FTB-500, FTB-2/FTB-2 Pro
Ordering Dual Wavelength Codes: 0023B 1310/1550; 0034B 1550/1625	
Notes	
From EXFO FTB-7500E Metro/Long-Haul OTDR specification sheet SPFTB7500E. Typical dynamic range at 1550 nm for the FTB-7500E-0023B configuration is 2 dB lower per OEM note.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.