

**Aumictech**

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Data Sheet

August 14, 2026

EXFO

Exfo FTB-7503B OTDR Module 1550nm

Exfo OTDRs. Wavelength: ** 1550 nm, Dynamic Range: ** Up to 45 dB (44 dB at 10 μ s pulse width, Resolution: ** 4 cm minimum.



MODEL

Exfo FTB-7503B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-7503B

LISTING

<https://aumictechlabs.com/products/ftb-7503b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo FTB-7503B is a 1550 nm OTDR module engineered for long-haul fiber optic network characterization and fault detection. Operating as an interchangeable component within EXFO's FTB test platforms, it delivers ultra-long-range measurements to 260 km with fast acquisition and precise event localization. The module combines high dynamic range performance with field-portable deployment capability, making it ideal for long-distance link commissioning and troubleshooting across carrier and enterprise networks. Technical Specifications Wavelength: 1550 nm Maximum Range: 260 km Dynamic Range: Up to 45 dB (44 dB at 10 μ s pulse width, 45.5 dB at 20 μ s pulse width for FTB-7503B-B-ER configuration) Maximum Pulse Width: 20 μ s Event Dead Zone: 3 m Attenuation Dead Zone: 15 m Sampling Resolution: 4 cm minimum; up to 256,000 sampling points Linearity: ± 0.03 dB/dB Acquisition Time: 7 seconds startup; 90% maximum dynamic range achieved in under 30 seconds Fiber Type: Single-mode (9/125 μ m) Connector: EXFO Universal Interface (EUI); compatible with UPC and APC connectors Key Features Ultra-long-haul testing optimized for links exceeding 200 km High-resolution event detection and

characterization of splices, connectors, splitters, and breaks Fast trace acquisition for field efficiency Field-interchangeable module design Visual Fault Locator (VFL) option available ToolBox OTDR software for data acquisition and reporting Automatic and advanced measurement modes Typical Applications Long-haul terrestrial fiber link testing and commissioning Fault location and cable break detection Splice and connector loss characterization LAN/WAN and metro network troubleshooting Compatibility & Integration The FTB-7503B integrates with EXFO FTB series platforms including the FTB-400 Universal Test System, FTB-100B Mini-OTDR, FTB-200 Compact Platform, and FTB-500 Platform.

FTB7503B Characteristics / Specifications

PARAMETER	VALUE
Model	FTB-7503B
Fiber Type	singlemode 9/125 um
Wavelength	1550 nm
Dynamic Range Class Ultra Long Haul	up to 45 dB class on 7500 family
Event Dead Zone Family Class	0.8 to 1 m class
Attenuation Dead Zone Family Class	about 4 to 5 m class
Linearity Family	plus or minus 0.03 dB/dB
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Points Family	up to 256000 class on laterEgenerations
Distance Range Family	to 400 km class on ultra-long-haul platforms
Pulse Width Family	5 ns to 20000 ns class
Platform Compatibility	FTB modular mainframes
Connector Interface	EXFO universal UI class
Ambient Spec Condition	23 C plus or minus 2 C
Variant ER	FTB-7503B-B-ER extended range ordering code
Module Type	single slot OTDR
Real Time Refresh Family Class	about 3 to 4 Hz
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Calibration Traceability Class	standards laboratory traceable class
Attenuation	Dead Zone Family Class: about 4 to 5 m class

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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Notes	
Ordering identity from EXFO FTB-7500B family sheets for FTB-7503B-B / ER. Confirm exact dynamic range on the module datasheet revision and whether the unit is standard or ER.	

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.