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Data Sheet

August 14, 2026

EXFO

Exfo FTB-7534B OTDR Module 1550/1625nm

The Exfo FTB-7534B OTDR module delivers optical time-domain reflectometry at 1550 nm and 1625 nm wavelengths for single-mode fiber characterization. This field-interchangeable module performs installation verification, maintenance diagnostics, and rapid fault isolation across distances to 260 km. Four-point loss measurements, splice and connector detection, optical return loss calculation, and event characterization support comprehensive network analysis in long-haul and ultra-long-haul deployments. Dynamic Range: 40/38 dB at 10 μ s pulse width (1550 nm/1625 nm); 40.5/39 dB at 20 μ s pulse width; up to 45 dB at 1550 nm with 3-minute averaging (SNR=1) Optical Interface: EXFO Universal Interface (EUI) with UPC/APC compatibility; user-selectable adapters (SC, FC, E-2000) Fast trace acquisition beginning in 7 seconds; 90% dynamic range within 30 seconds



MODEL

Exfo FTB-7534B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-7534B

LISTING

<https://aumictechlabs.com/products/ftb-7534b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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long-haul and ultra-long-haul deployments. Technical Specifications Wavelengths: 1550 nm $\pm$ 20 nm and 1625 nm $\pm$ 10 nm Fiber Type: Single-mode (9/125 μ m) Dynamic Range: 40/38 dB at 10 μ s pulse width (1550 nm/1625 nm); 40.5/39 dB at 20 μ s pulse width; up to 45 dB at 1550 nm with 3-minute averaging (SNR=1) Event Dead Zone: 3 m (both wavelengths) Attenuation Dead Zone: 15 m (1550 nm), 16 m (1625 nm) Sampling Resolution: 8 cm minimum Sampling Points: Up to 128,000 Linearity: $\pm$ 0.03 dB/dB Maximum Test Distance: 260 km Optical Interface: EXFO Universal Interface (EUI) with UPC/APC compatibility; user-selectable adapters (SC, FC, E-2000) Key Features Fast trace acquisition beginning in 7 seconds; 90% dynamic range within 30 seconds Four-point loss measurements for event loss and reflectance quantification Optical return loss (ORL) calculation and characterization of splices, connectors, breaks, and splitters EXFO ToolBox OTDR software with Auto and Advanced measurement modes Optional Visual Fault Locator (VFL) for field troubleshooting Typical Applications Network installation and verification Maintenance and condition monitoring Fault detection and localization Long-haul and ultra-long-haul network diagnostics Compatibility & Integration Field-interchangeable with EXFO portable platforms including FTB-400, FTB-200, and FTB-500 systems, plus legacy EXFO mainframes. EUI connector architecture enables rapid field adapter changes for different termination types.

FTB7534B Characteristics / Specifications

PARAMETER	VALUE
Wavelengths	1550 plus or minus 20 nm / 1625 plus or minus 10 nm
Dynamic Range Typical Class	42/40 dB class per FTB-7534B-B family row
Dynamic Range Alternate Class	43.5/41.5 dB class on listedBrow variant
Event Dead Zone Class	3/3 m class
Attenuation Dead Zone Class	15/16 m class
Fiber Type	singlemode 9/125 um
Sampling Resolution Family	0.08 to 5 m
Sampling Points Family	up to 16000
Distance Uncertainty Family	plus or minus (1 m plus 0.0025 percentxdistance)
Loss Threshold Family	0.01 dB
Loss Resolution Family	0.001 dB
Linearity Family Class	plus or minus 0.05 dB/dB class
Platform	FTB modular mainframes
Module Family	FTB-7000B
Wavelength Code	34 equals 1550/1625 nm SM
Power Level Code Class	5 equals ultra high power class in ordering map
Intended Reach Class	long haul SM with 1625 nm out of band testing
Pulse Width Family	user selectable per acquisition
Measurement Time	user defined up to 60 min class
Refresh Class	less than 0.2 s class on family
VFL Option Path	optional VFL connector codes on family
Documentation Source	EXFO FTB-7000B/C OTDR Module Series specification sheet
Attenuation	Dead Zone Class: 15/16 m class

FTB7534B Specifications

PARAMETER	VALUE
Overview	The EXFO FTB-7534B is a dual wavelength singlemode OTDR module covering 1550/1625 nm in the FTB-7000B high power family.
Applications	Out of band and in service sensitive singlemode characterization using 1550/1625 nm wavelengths on FTB platforms.
Key Features	Dual wavelength 1550/1625 nm singlemode OTDR
Fits FTB modular platforms	Family sampling density up to 16000 points
Technical Specifications	Wavelengths: 1550 plus or minus 20 nm / 1625 plus or minus 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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Documentation Source	EXFO FTB-7000B/C OTDR Module Series specification sheet
Notes	
From EXFO FTB-7000B/FTB-7000C OTDR Module Series specification sheet row for FTB-7534B-B. Confirm exact dynamic range marking on the module faceplate.	

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.