

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FTB-7434B OTDR Module 1550/1625nm

The Exfo FTB-7434B is an OTDR module designed for the FTB-200, FTB-400, and FTB-500 platforms. It operates at 1550 nm and 1625 nm wavelengths, making it suitable for testing single-mode fibers in telecom networks. This module is ideal for long-haul network characterization, providing accurate measurements of fiber length, attenuation, and splice loss.



MODEL

Exfo FTB-7434B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-7434B

LISTING

<https://aumictechlabs.com/products/ftb-7434b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo FTB-7434B OTDR Module is a single-mode fiber characterization instrument operating at 1550 nm and 1625 nm for long-haul telecommunications network testing. This plug-in module integrates with Exfo's FTB-200, FTB-400, and FTB-500 platforms to deliver fault detection, splice loss measurement, and comprehensive fiber link assessment across distances up to 260 km.

Technical Specifications Wavelengths: 1550 nm $\pm$ 20 nm and 1625 nm $\pm$ 10 nm Fiber Type: Single-mode (9/125 μ m) Dynamic Range (10 μ s pulse): 40 dB @ 1550 nm / 38 dB @ 1625 nm Dynamic Range (20 μ s pulse): 40.5 dB @ 1550 nm / 39 dB @ 1625 nm Event Dead Zone: 3 m (both wavelengths) Attenuation Dead Zone: 15 m @ 1550 nm / 16 m @ 1625 nm Maximum Range: 260 km Pulse Widths: 5, 10, 30, 100, 275, 1000, 2500, 10,000, 20,000 ns Sampling Points: Up to 52,000 acquisition points Linearity: $\pm$ 0.03 dB/dB Key Features Configurable pulse widths support both

short-range precision and extended-distance measurement High sampling resolution enables accurate event detection and low-loss characterization EXFO Universal Interface (EUI) connector design with adapter options for FC, SC, LSA, ST, HMS-10/AG, and E-2000 terminations Dual-wavelength operation optimizes signal propagation and attenuation analysis Typical Applications Long-haul network characterization, metro and access systems, FTTH deployments, and FTTx infrastructure assessment. Compatibility & Integration Compatible with FTB-200, FTB-400, FTB-500, FTB-100B, and FTB-300 platforms. Requires EUI adapter selection during ordering.

FTB7434B Characteristics / Specifications

PARAMETER	VALUE
Model	FTB-7434B
Fiber Type	singlemode 9/125 um
Wavelengths	1550 nm and 1625 nm
Dynamic Range Class Long Haul 7400B	up to about 41 dB class
Event Dead Zone Family Class	1 m class
Attenuation Dead Zone Family Class	about 5 to 6 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 128000 class
Distance Range Family	to 260 km class
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
Module Type	single slot OTDR
Ordering Code Class	FTB-7434B-B
Real Time Refresh Family Class	about 3 Hz
Stable Source Output Family Class	yes
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Attenuation	Dead Zone Family Class: about 5 to 6 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	
Specifications	
PARAMETER	VALUE
Model	FTB-7434B
Fiber Type	singlemode 9/125 um
Wavelengths	1550 nm and 1625 nm
Dynamic Range Class Long Haul 7400B	up to about 41 dB class
Event Dead Zone Family Class	1 m class
Attenuation Dead Zone Family Class	about 5 to 6 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 128000 class
Distance Range Family	to 260 km class
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
Module Type	single slot OTDR
Ordering Code Class: FTB-7434B-B	
Specifications	
PARAMETER	VALUE
Real Time Refresh Family Class	about 3 Hz
Stable Source Output Family Class	yes
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Notes	
Ordering identity from EXFO FTB-7400B dual-wavelength sheet for FTB-7434B-B. Confirm exact dynamic range pair	

on the module datasheet revision.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

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