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Data Sheet

August 14, 2026

EXFO

Exfo FTB-7523B OTDR Module 1310/1550nm

The Exfo FTB-7523B is a compact Optical Time Domain Reflectometer (OTDR) module designed for the FTB-200, FTB-500 platforms. It operates at 1310nm and 1550nm wavelengths, crucial for comprehensive fiber optic cable testing and troubleshooting. This module allows for quick and precise fiber characterization, fault location, and ensures optimal network performance.



MODEL

Exfo FTB-7523B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-7523B

LISTING

<https://aumictechlabs.com/products/ftb-7523b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Exfo FTB-7523B is an Optical Time Domain Reflectometer (OTDR) module designed for integration into Exfo's FTB-200 and FTB-500 modular test platforms. Operating at 1310 nm and 1550 nm, it delivers precise fiber optic network characterization and fault detection across enterprise, laboratory, and telecommunications deployments. The module measures fiber length, attenuation, and splice/connector losses with high accuracy, enabling rapid identification and localization of network impairments in single-mode fiber infrastructure. Technical Specifications Optical Characteristics Wavelengths: 1310 nm / 1550 nm Fiber Type: Single-mode Port Type: Connectorized OTDR Performance Module Type: Optical Time Domain Reflectometer (OTDR) Platform Compatibility Compatible with Exfo FTB-200 and Exfo FTB-500 platforms Key Features Dual-wavelength operation at 1310 nm and 1550 nm for comprehensive fiber analysis Single-mode

fiber characterization and measurement Event and attenuation detection for splice and connector loss identification Connectorized optical interface for field deployment Typical Applications Fiber optic network installation and commissioning Cable fault localization and distance-to-fault measurement Splice and connector loss assessment Network integrity verification and performance baseline establishment Enterprise and carrier-grade fiber infrastructure testing Compatibility & Integration The FTB-7523B integrates into Exfo's modular FTB platform architecture, operating within the FTB-200 and FTB-500 systems. Module-based deployment allows flexible test configuration and simplified field upgrades without platform replacement.

FTB7523B Characteristics / Specifications

PARAMETER	VALUE
Model	FTB-7523B-B
Wavelengths	1310 plus or minus 20 / 1550 plus or minus 20 nm
Dynamic Range At 10 us	43.5/41.5 dB typical
Dynamic Range At 20 us	45/43 dB typical on NZDSF
Event Dead Zone	3/3 m typical
Attenuation Dead Zone	10/15 m typical
Distance Ranges km 500B Series	1.25 2.5 5 10 20 40 80 160 260
Pulse Widths ns 500B Series	10 30 100 275 1000 2500 10000 20000
Linearity	plus or minus 0.05 dB/dB
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.08 to 5 m
Sampling Points 500B Series	up to 52000
Distance Uncertainty	plus or minus (1 m plus 0.0025 percentxdistance)
Measurement Time Maximum	60 min
Real Time Refresh	less than 1 s
Stable Source Output Power Typical	minus 5 dBm
VFL Wavelength Optional	650 plus or minus 10 nm
VFL Max Output	800 uW CW
Fiber Type	singlemode 9/125 um
Spec Ambient	23 C with FC/PC
Dynamic Range Condition	three-minute average at SNR equals 1
Dead Zone Condition	reflectance below minus 45 dB using 10 ns pulse
Platform Compatibility	FTB Universal Test System FTB-100B
Attenuation	Dead Zone: 10/15 m typical

FTB7523B Specifications

PARAMETER	VALUE
Key Features	1310/1550 nm ultra-high-power singlemode OTDR
Dynamic range up to 45/43 dB at 20 us	Sampling resolution down to 0.08 m
EXFO Universal Interface connectors	Optional VFL 650 nm
Technical Specifications	Model: FTB-7523B-B
Notes	From EXFO FTB-7000B/FTB-70000C OTDR Module Series datasheet SPFTB7000B/70000C.3AN FTB-7523B-B row and 500B-B general column.

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.

Performance OTDR Module

Overview

The EXFO FTB-7523B-B is a high-performance singlemode OTDR module in the FTB-7000B series for FTB Universal Test System platforms. OEM SPFTB7000B lists 1310/1550 nm wavelengths, typical dynamic range 43.5/41.5 dB at 10 us and 45/43 dB at 20 us on NZDSF, event dead zone 3/3 m, attenuation dead zone 10/15 m, sampling resolution 0.08 to 5 m, and up to 52000 sampling points on 500B-class modules.

Applications

Metro and long-haul singlemode OTDR characterization, high dynamic-range fault location, and modular OTDR work in FTB-100B/300/400 Universal Test Systems.

Key Features

1310/1550 nm ultra-high-power singlemode OTDR
Dynamic range up to 45/43 dB at 20 us
Sampling resolution down to 0.08 m
EXFO Universal Interface connectors
Optional VFL 650 nm

Technical Specifications

Technical Specifications

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Linearity	plus or minus 0.05 dB/dB
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.08 to 5 m
Sampling Points 500B Series	up to 52000
Distance Uncertainty	plus or minus (1 m plus 0.0025 percent x distance)
Measurement Time Maximum	60 min
Real Time Refresh	less than 1 s
Stable Source Output Power Typical	minus 5 dBm

PARAMETER	VALUE
VFL Wavelength Optional	650 plus or minus 10 nm
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Fiber Type	singlemode 9/125 um
Spec Ambient	23 C with FC/PC
Dynamic Range Condition	three-minute average at SNR equals 1
Dead Zone Condition	reflectance below minus 45 dB using 10 ns pulse
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Notes
From EXFO FTB-7000B/FTB-7000C OTDR Module Series datasheet SPFTB7000B/7000C.3AN FTB-7523B-B row and 500B-B general column.

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>

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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.