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Data Sheet
August 14, 2026

EXFO

Exfo FTB-7403B OTDR Module 1550nM

Exfo OTDRs. Wavelength: ** 1550 nm, Resolution: ** Up to 4 cm for precise fault location, Resolution: ** 0.001 dB.

MODEL Exfo FTB-7403B	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU FTB-7403B	LISTING https://aumictechlabs.com/products/ftb-7403b-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FTB-7403B is a 1550 nm OTDR module engineered for single-mode, long-haul optical fiber characterization and fault detection. This field-interchangeable module delivers precise fiber event identification, attenuation measurement, and distance-to-fault localization across extended cable routes. Designed for installation, maintenance, and troubleshooting of optical communication networks, the FTB-7403B integrates into EXFO's portable test platforms to enable rapid field diagnostics with high repeatability. Technical Specifications Wavelength: 1550 nm Module Type: Single-mode (SM) Long-haul OTDR Sampling Resolution: Up to 4 cm for precise fault location Sampling Points: Up to 128,000 Loss Threshold: 0.01 dB Loss Resolution: 0.001 dB Linearity: ± 0.03 dB/dB Distance Uncertainty: ± (0.75 + 0.001 % × distance + sampling resolution) Measurement Time: 5 seconds to 60 minutes (user-defined) Connector: EXFO Universal Interface (EUI), compatible with UPC and APC connectors Key Features Ultra-short event dead zones enable characterization of closely spaced fiber events Configurable pulse widths from 5 ns to 20,000 ns for range/resolution optimization Attenuation and event dead zone performance

suitable for metro and long-haul network testing Loss threshold and resolution support detection of marginal splices and connectors Optional Visual Fault Locator (VFL) for rapid physical fault isolation Compact module design for field-portable operation Typical Applications New fiber installation commissioning and acceptance testing Preventive maintenance and network baseline characterization Fault isolation and event localization in single-mode fiber routes Loss budget verification and optical path anomaly diagnosis LAN/WAN and metro network troubleshooting with optional VFL Compatibility & Integration The FTB-7403B integrates with EXFO's rugged, portable test platforms including the FTB-400 Universal Test System, FTB-2/FTB-2 Pro, and FTB-4 Pro. Module field interchangeability enables configuration flexibility across platform families.

FTB7403B Characteristics / Specifications

PARAMETER	VALUE
Model	FTB-7403B
Fiber Type	singlemode 9/125 um
Wavelength	1550 nm
Dynamic Range Class Long Haul 7400B	up to 41.5 dB class
Event Dead Zone Family Class	1 m class
Attenuation Dead Zone Family Class	on the order of 5 to 6 m class per 7400B tables
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
Reflectance Dead Zone Condition	below minus 45 dB class with short pulse
Real Time Refresh Family Class	about 3 Hz
Stable Source Output Family Class	yes
Module Type	single slot OTDR
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: on the order of 5 to 6 m class per 7400B tables

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 and short dead zones for metro/core characterization.

Applications
Long-haul and metro singlemode fiber characterization at 1550 nm, span loss and reflectance analysis, and modular OTDR testing in FTB mainframes.

Key Features
Single wavelength 1550 nm long-haul OTDR
Modular FTB platform form factor
EXFO universal interface connector UPC/APC compatible class
Short event and attenuation dead zones on 7400B family
Stable source output path on family

Technical Specifications

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Notes
Ordering identity from EXFO FTB-7400B family sheets for FTB-7403B-B 1550 nm. Confirm exact dynamic range dead zones and pulse table on the module calibration certificate and 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

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