

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FTB-7400E OTDR Module

The EXFO FTB-7400E is a metro/core singlemode OTDR module with low-water-peak testing at 1383 nm and dynamic range up to 42 dB. OEM specification sheet FTB7400E lists wavelengths 1310/1383/1550/1625 nm with typical dynamic range at 20 us of 42/40/41/41 dB, event dead zone 0.8 m, attenuation dead zone 3 m, distance range 1.25 to 400 km, linearity +/-0.03 dB/dB, and up to 256000 sampling points. Metro and core fiber characterization, low-water-peak fiber testing at 1383 nm, long-haul troubleshooting within 42 dB class dynamic range, and iOLM-ready automated link mapping on FTB platforms. Stable Source Output Power: -4.5 dBm typical at 1550 nm for 7400E 0023B Module Size HxWxD: 97 mm x 25 mm x 260 mm Relative Humidity: 0 percent to 95 percent non-condensing From EXFO FTB-7400E metro/OTDR specification sheet FTB7400E.14EN. Specs valid at 23 C +/-2 C with FC/APC connector unless noted; dynamic range typical with 3-minute averaging at SNR=1.



MODEL

Exfo FTB-7400E

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-7400E

LISTING

<https://aumictechlabs.com/products/ftb-7400e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Exfo FTB-7400E OTDR Module is a optical time domain reflectometer engineered for testing and characterizing fiber optic networks across metro, long-haul, and CWDM applications. This module integrates with EXFO's FTB-500 and FTB-200 platforms to deliver comprehensive network deployment, maintenance, and troubleshooting capabilities. Technical Specifications

Wavelengths: 1310 nm / 1550 nm; 1310 nm / 1550 nm / 1625 nm; 1310 nm / 1383 nm / 1550 nm / 1625 nm; CWDM configurations at 1470/1490/1510/1530 nm and 1550/1570/1590/1610 nm (ITU G.694.2 compliant) Dynamic Range: Up to 42 dB at 1550 nm Distance Range: Up to 400 km Event Dead Zone: As low as 0.8 m Attenuation Dead Zone: As low as 4 m Sampling Points: Up to 256,000 for enhanced trace resolution Linearity: ± 0.03 dB/dB Pulse Width: Configurable for optimized network characterization Averaging Time: 5 seconds to 60 minutes; real-time averaging available Low Water Peak Fiber Testing: 1383 nm support for new fiber characterization and legacy fiber degradation assessment Key Features iOLM (Intelligent Optical Link Mapper): Automated one-touch testing with go/no-go visual results; correlates multiple pulse widths and wavelengths for maximum resolution Linear View: Icon-based event display for simplified trace interpretation and fault pinpointing Real-Time Averaging: Continuous laser activation with live trace refreshing for monitoring dynamic fiber changes Zoom Tools: Detailed analysis capability for specific trace regions On-the-Fly Parameter Adjustment: Dynamic OTDR settings modification during active acquisition Macrobend Finder: Automated detection and identification of macrobends Automode: Automatic discovery mode that adjusts distance range and pulse width based on link characteristics Bidirectional Analysis: Supported via FastReporter 3 post-processing software EXFO Connect Compatibility: Cloud-based test data storage and automated asset management Visual Fault Locator (Optional): 650 nm VFL for visual cable break, bend, and connector fault identification Typical Applications Metro and long-haul fiber network testing CWDM system characterization Network deployment and acceptance testing Field maintenance and troubleshooting Fiber degradation assessment Compatibility & Integration FTB-500 and FTB-200 platform integration; EXFO Connect cloud ecosystem support.

FTB7400E Characteristics / Specifications

PARAMETER	VALUE
Wavelengths Typical	1310 +/-20 / 1383 +/-2 / 1550 +/-20 / 1625 +/-10 nm
Dynamic Range At 20 us	42/40/41/41 dB typical
Event Dead Zone	0.8 m typical
Attenuation Dead Zone	3 m typical
Distance Range	1.25 to 400 km
Pulse Width	5 to 20000 ns
Linearity	+/-0.03 dB/dB typical
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.04 to 5 m
Sampling Points	up to 256000
Distance Uncertainty	+/- (0.75 + 0.001 percent x distance + sampling resolution) m
Measurement Time	5 s minimum to 60 min maximum
Real Time Refresh Typical	4 Hz
Stable Source Output Power	-4.5 dBm typical at 1550 nm for 7400E 0023B
Module Size HxWxD	97 mm x 25 mm x 260 mm
Module Weight	0.55 kg
Operating Temperature	0 C to 50 C
Storage Temperature	-40 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Attenuation	Dead Zone: 3 m typical
Humidity	0 percent to 95 percent non-condensing

FTB7400E Specifications

PARAMETER	VALUE
Key Features	Dynamic range up to 42 dB typical
Event dead zone 0.8 m and attenuation dead zone 3 m	Up to 256000 sampling points
Technical Specifications	Wavelengths Typical: 1310 +/-20 / 1383 +/-2 / 1550 +/-20 / 1625 +/-10 nm

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to 70 C
Operating temperature	0 C to 50 C
Operating Temperature	0 C to 50 C
Humidity	0 percent to 95 percent non-condensing
Relative Humidity	0 percent to 95 percent non-condensing Notes From EXFO FTB-7400E metro/OTDR specification sheet FTB7400E.14EN. Specs valid at 23 C +/-2 C with FC/APC connector unless noted; dynamic range typical with 3-minute averaging at SNR=1.

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
Wavelengths Typical	1310 +/-20 / 1383 +/-2 / 1550 +/-20 / 1625 +/-10 nm
Dynamic Range At 20 us	42/40/41/41 dB typical
Event Dead Zone	0.8 m typical
Attenuation Dead Zone	3 m typical
Distance Range	1.25 to 400 km
Pulse Width	5 to 20000 ns
Linearity	+/-0.03 dB/dB typical
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.04 to 5 m
Sampling Points	up to 256000
Distance Uncertainty	+/- (0.75 + 0.001 percent x distance + sampling resolution) m
Measurement Time	5 s minimum to 60 min maximum
Real Time Refresh Typical	4 Hz
Stable Source Output Power	-4.5 dBm typical at 1550 nm for 7400E 0023B
Module Size HxWxD	97 mm x 25 mm x 260 mm
Module Weight	0.55 kg
Operating Temperature	0 C to 50 C
Storage Temperature	-40 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Notes	
From EXFO FTB-7400E metro/OTDR specification sheet FTB7400E.14EN. Specs valid at 23 C +/-2 C with FC/APC connector unless noted; dynamic range typical with 3-minute averaging at SNR=1.	

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.