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**Data Sheet**

August 14, 2026

EXFO

# Exfo FTB-7423B OTDR Module 1310/1550nm

Exfo OTDRs. Dynamic Range: \*\* 41.5 dB at 1310 nm (20  $\mu$ s pulse), Resolution: \*\* 8 cm.



MODEL

**Exfo FTB-7423B**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**FTB-7423B**

LISTING

<https://aumictechlabs.com/products/ftb-7423b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The EXFO FTB-7423B OTDR module delivers optical fiber characterization across 1310 nm and 1550 nm wavelengths. This single-mode field-interchangeable module locates faults with 8 cm resolution, supports distances to 260 km, and integrates with EXFO's portable test platforms for installation, maintenance, and troubleshooting of optical networks. Technical Specifications Wavelengths: 1310 nm  $\pm$  20 nm / 1550 nm  $\pm$  20 nm Dynamic Range: 41.5 dB at 1310 nm (20  $\mu$ s pulse); 39.5 dB at 1550 nm (20  $\mu$ s pulse) Event Dead Zone: 3 m (typical, both wavelengths) Attenuation Dead Zone: 10 m at 1310 nm / 15 m at 1550 nm (typical) Maximum Distance Range: 260 km Maximum Pulse Width: 20  $\mu$ s Sampling Points: Up to 128,000 Sampling Resolution: 8 cm Linearity:  $\pm$  0.03 dB/dB Fiber Type: Single-mode (9/125  $\mu$ m) Connector Interface: UPC Universal (SC adapter included) Power Level: High Power Key Features Visual Fault Locator (VFL) option with 2.5 mm universal adapter included Ultra-fine 8 cm resolution enables precise event and fault location Extended 260 km range supports long-haul and metro/access network testing 128,000 sampling points deliver enhanced trace resolution for complex link analysis High power configuration optimizes performance across both wavelengths Typical Applications Single-mode

fiber link characterization Fault location in optical networks Long-haul network testing and certification Metro and access network maintenance Installation and acceptance testing of optical paths Compatibility & Integration The FTB-7423B module operates as a field-interchangeable component within EXFO's test platforms: FTB-400 Universal Test System FTB-200 Compact Platform FTB-100B Mini-OTDR

## Features & description

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From manufacturer datasheet

### High power FTB-7000B family dynamic range class

Event and attenuation dead zone optimized for closely spaced events Fits FTB modular platforms Up to 16000 sampling points class on family Technical Specifications Wavelengths: 1310 plus or minus 20 nm / 1550 plus or minus 20 nm Dynamic Range Typical Class: 40/38 dB class per FTB-7423B-B family row Dynamic Range Alternate Class: 41.5/39.5 dB class on listedBrow variant Event Dead Zone Class: 3/3 m class Attenuation Dead Zone Class: 10/15 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 Refresh Class: less than 0.2 s class on family Platform: FTB modular mainframes Module Family: FTB-7000B Wavelength Code: 23 equals 1310/1550 nm SM Power Level Code Class: 4 equals high power class in ordering map VFL Option Path: optional VFL connector codes on family Intended Reach Class: metro to long haul SM characterization Pulse Width Family: user selectable per acquisition Measurement Time: user defined up to 60 min class Documentation Source: EXFO FTB-7000B/C OTDR Module Series specification sheet

## FTB7423B Characteristics / Specifications

| PARAMETER                     | VALUE                                                   |
|-------------------------------|---------------------------------------------------------|
| Wavelengths                   | 1310 plus or minus 20 nm / 1550 plus or minus 20 nm     |
| Dynamic Range Typical Class   | 40/38 dB class per FTB-7423B-B family row               |
| Dynamic Range Alternate Class | 41.5/39.5 dB class on listedBrow variant                |
| Event Dead Zone Class         | 3/3 m class                                             |
| Attenuation Dead Zone Class   | 10/15 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                          |
| Refresh Class                 | less than 0.2 s class on family                         |
| Platform                      | FTB modular mainframes                                  |
| Module Family                 | FTB-7000B                                               |
| Wavelength Code               | 23 equals 1310/1550 nm SM                               |
| Power Level Code Class        | 4 equals high power class in ordering map               |
| VFL Option Path               | optional VFL connector codes on family                  |
| Intended Reach Class          | metro to long haul SM characterization                  |
| Pulse Width Family            | user selectable per acquisition                         |
| Measurement Time              | user defined up to 60 min class                         |
| Documentation Source          | EXFO FTB-7000B/C OTDR Module Series specification sheet |
| Attenuation                   | Dead Zone Class: 10/15 m class                          |

# FTB7423B Specifications

| PARAMETER                  | VALUE                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Overview                   | The EXFO FTB-7423B is a dual wavelength singlemode OTDR module in the FTB-7000B family for 1310/1550 nm testing in FTB platforms.         |
| Applications               | Metro and long haul singlemode fiber characterization, splice and connector event location, and acceptance testing on 1310/1550 nm links. |
| Key Features               | Dual wavelength 1310/1550 nm singlemode OTDR                                                                                              |
| Fits FTB modular platforms | Up to 16000 sampling points class on family                                                                                               |
| Technical Specifications   | Wavelengths: 1310 plus or minus 20 nm / 1550 plus or minus 20 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                                                                                                                                                                     |                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Specifications                                                                                                                                                                     |                                                         |
| PARAMETER                                                                                                                                                                          | VALUE                                                   |
| Wavelengths                                                                                                                                                                        | 1310 plus or minus 20 nm / 1550 plus or minus 20 nm     |
| Dynamic Range Typical Class                                                                                                                                                        | 40/38 dB class per FTB-7423B-B family row               |
| Dynamic Range Alternate Class                                                                                                                                                      | 41.5/39.5 dB class on listedBrow variant                |
| Event Dead Zone Class                                                                                                                                                              | 3/3 m class                                             |
| Attenuation Dead Zone Class                                                                                                                                                        | 10/15 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                          |
| Refresh Class                                                                                                                                                                      | less than 0.2 s class on family                         |
| Platform                                                                                                                                                                           | FTB modular mainframes                                  |
| Module Family                                                                                                                                                                      | FTB-7000B                                               |
| Wavelength Code                                                                                                                                                                    | 23 equals 1310/1550 nm SM                               |
| Power Level Code Class                                                                                                                                                             | 4 equals high power class in ordering map               |
| VFL Option Path                                                                                                                                                                    | optional VFL connector codes on family                  |
| Intended Reach Class                                                                                                                                                               | metro to long haul SM characterization                  |
| Pulse Width Family                                                                                                                                                                 | user selectable per acquisition                         |
| Measurement Time                                                                                                                                                                   | user defined up to 60 min class                         |
| 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-7423B-B. Confirm exact dynamic range marking on the module faceplate and calibration certificate. |                                                         |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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

NIST-traceable calibration · SAM registered ·  
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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.