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Data Sheet

August 14, 2026

EXFO

Exfo FTB-7600E-0034B SM OTDR Long-Haul Module 1550/1625 nm 50/48dB

The Exfo FTB-7600E-0034B is a single-mode OTDR module built for long-haul fiber optic network characterization. Operating at 1550 nm and 1625 nm with dynamic ranges of 50 dB and 48 dB respectively, it delivers precise fault location, splice loss assessment, and bend detection across extended fiber routes. The module achieves event dead zones below 1 m and attenuation dead zones below 5 m, enabling accurate analysis of closely spaced anomalies. With sampling resolution to 128,000 points and up to 256,000 data points, it supports distance measurements to 256 km and reflectance detection down to -70 dB. Bi-directional testing enables averaging for improved splice loss and attenuation accuracy. Support for chromatic dispersion (CD) and polarization mode dispersion (PMD) measurements when paired with appropriate FTBx platforms and modules. Integration with digital talk sets and video inspect.



MODEL

Exfo FTB-7600E-0034B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-7600E-0034B

LISTING

<https://aumictechlabs.com/products/ftb-7600e-0034b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Optical Performance

Wavelengths: 1550 nm, 1625 nm Dynamic Range: 50 dB at 1550 nm; 48 dB at 1625 nm Pulse Widths: 5 ns to 10 μ s (variable) Sampling Resolution: Up to 128,000 points Data Points: Up to 256,000 points Distance Range: Up to 256 km Event Dead Zone: < 1 m (typical) Attenuation Dead Zone: < 5 m (typical) Reflectance Measurement: Down to -70 dB (typical)

Key Features

Dual-wavelength OTDR operation for comprehensive link analysis Bi-directional testing enables averaging for improved splice loss and attenuation accuracy Configurable loss thresholds and distance ranges Support for chromatic dispersion (CD) and polarization mode dispersion (PMD) measurements when paired with appropriate FTBx platforms and modules Integration with digital talk sets and video inspection probes for connector end-face assessment

Typical Applications

Fault location in long-haul fiber routes Splice loss quantification and assessment Macrobend and break detection Connector characterization Bi-directional fiber link validation

Compatibility & Integration

Compatible with EXFO FTB-2, FTB-2 Pro, and FTB-400 platforms Fiber Type: Single-mode (SMF) Optical Connectors: FC/UPC, SC/UPC, LC/UPC (interchangeable) Data Interface: USB for data transfer and firmware updates

FTB7600E0034B Characteristics / Specifications

PARAMETER	VALUE
Ordering Code	FTB-7600E-0034B
Wavelengths	1550 plus or minus 20 / 1625 plus or minus 10 nm
Family Dynamic Range At 20 us	50.5/50.5/48 dB typical for 1310/1550/1625
Event Dead Zone	1 m typical
Attenuation Dead Zone	5 m typical
Distance Ranges km	1.25 2.5 5 10 20 40 80 160 260 400
Pulse Widths ns	5 10 30 100 275 1000 2500 10000 20000
Linearity	plus or minus 0.03 dB/dB
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.04 to 10 m
Sampling Points	up to 256000
Distance Uncertainty	plus or minus (0.75 plus 0.001 percentxdistance plus sampling resolution) m
Measurement Time	5 s minimum to 60 min maximum
Real Time Refresh Typical	4 Hz
Stable Source Output Power	5 dBm typical at 1550 nm
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	minus 40 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Sibling Ordering Code	0023B 1310/1550 nm
Spec Ambient	23 C plus or minus 2 C FC/APC
Attenuation	Dead Zone: 5 m typical

PARAMETER	VALUE
Humidity	0 percent to 95 percent non-condensing

FTB7600E0034B Specifications

PARAMETER	VALUE
Key Features	Ordering code 0034B 1550/1625 nm
Up to 50.5 dB class dynamic range	Up to 256000 sampling points
Linearity plus or minus 0.03 dB/dB	Stable source output about 5 dBm at 1550 nm
Technical Specifications	Ordering Code: FTB-7600E-0034B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 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
Sibling Ordering Code	0023B 1310/1550 nm
Spec Ambient	23 C plus or minus 2 C FC/APC Notes From EXFO FTB-7600E ultra-longhaul OTDR specification sheet FTB7600E.9EN ordering row 0034B. 1625 nm dynamic range note references NZDS fiber (G.655).

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	
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Notes	
From EXF0 FTB-7600E ultra-longhaul OTDR specification sheet FTB7600E.9EN ordering row 0034B. 1625 nm dynamic range note references NZDS fiber (G.655).	

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

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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.