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Data Sheet

August 14, 2026

EXFO

Exfo AXS-110 OTDR 850, 1300, 1310, 1550

The EXFO AXS-110 is a handheld all-fiber OTDR for LAN/WAN and data-center installation with multimode and singlemode ports and optional GeX power meter. OEM datasheet SPAXS110 rates typical dynamic range 24/25/32/30 dB at 850/1300/1310/1550 nm, 0.8 m event dead zone, and up to 64000 sampling points with 8-hour Li-ion autonomy. Data-center and enterprise LAN/WAN fiber construction, multimode and singlemode access troubleshooting, Tier-2 characterization with optional EF launch conditioner, and combined OTDR plus power and VFL field testing. Optional PM Uncertainty: plus or minus 5 percent plus or minus 0.4 nW up to 5 dBm Battery Life: 8 hours continuous per Bellcore TR-NWT-001138 Operating Temperature: minus 18 C to 50 C From EXFO AXS-110 All-Fiber OTDR datasheet SPAXS110.3AN at 23 plus or minus 2 C with FC/PC. Dynamic range typical with longest pulse and three-minute averaging at SNR equals 1; multimode DR specified on 62.5 um fiber.



MODEL

Exfo AXS-110

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AXS-110

LISTING

<https://aumictechlabs.com/products/axs-110-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO AXS-110 is a handheld Optical Time Domain Reflectometer (OTDR) engineered for fault location and fiber characterization across singlemode and multimode networks. Operating at 850 nm, 1300 nm, 1310 nm, and 1550 nm, it delivers dynamic ranges from 24 dB to 32 dB depending on wavelength and fiber type. The instrument achieves an exceptional 0.8 m event dead zone, enabling precise detection of closely spaced events in dense cabling environments - critical for

inside-plant, data center, enterprise, campus, and access network deployments. Technical Specifications Wavelengths: 850 nm, 1300 nm, 1310 nm, 1550 nm Dynamic Range: 850 nm: 24 dB | 1300 nm: 25 dB | 1310 nm: 32 dB | 1550 nm: 30 dB (multimode specs for 62.5 μ m; 50 μ m fiber shows 3 dB reduction) Pulse Widths (Multimode/Singlemode): 5 ns, 10 ns, 30 ns, 100 ns, 275 ns, 1000 ns; singlemode adds 2500 ns and 10,000 ns Event Dead Zone: 0.8 m Attenuation Dead Zone: Multimode 3.5 m | Singlemode 4.5 m Distance Range: Multimode 0.1 m to 40 km | Singlemode 0.65 km to 260 km Sampling Resolution: Multimode 0.08 m to 2.5 m | Singlemode 0.08 m to 5.0 m Sampling Points: Up to 64,000 Linearity: ± 0.03 dB/dB Loss Threshold/Resolution: 0.01 dB Real-time Refresh Rate: 4 Hz typical Output Power (Stable Source): Multimode -3 dBm | Singlemode -2.5 dBm Power Meter Detector Port: Up to 26 dBm measurement capability Memory: Up to 500 traces Battery Life: 8 hours Operating Temperature: -18 °C to 50 °C Dimensions: 250 mm $\times$ 125 mm $\times$ 75 mm Weight: 1 kg Key Features Dual OTDR ports for independent multimode and singlemode testing Built-in 650 nm $\pm$ 10 nm visual fault locator (1.4 mW typical CW output, open beam) User-defined measurement time with 4 Hz real-time refresh Universal 2.5 mm VFL connector Fiber inspection probe port Interfaces & Connectivity Multimode and singlemode OTDR ports Power meter detector port RJ-45 (TCP/IP) USB-B (ActiveSync, remote control) USB-A (memory stick) AC adapter port Infrared printer interface

AXS110 Characteristics / Specifications

PARAMETER	VALUE
Wavelengths	850/1300/1310/1550 nm
Dynamic Range Typical	24/25/32/30 dB
Pulse Width Multimode	5 10 30 100 275 1000 ns
Pulse Width Singlemode	5 10 30 100 275 1000 2500 10000 ns
Event Dead Zone Typical	0.8 m
Attenuation Dead Zone Typical	3.5/4.5/4/4.5 m
Linearity	plus or minus 0.03 dB/dB
Loss Threshold	0.01 dB
Loss Resolution	0.01 dB
Sampling Resolution Multimode	0.08 to 2.5 m
Sampling Resolution Singlemode	0.08 to 5.0 m
Sampling Points	up to 64000
Distance Uncertainty	plus or minus (0.75 plus 0.0025 percentxdistance plus sampling resolution) m
Distance Range Multimode	0.1 to 40 km
Distance Range Singlemode	0.65 to 260 km
Real Time Refresh Typical	4 Hz
Memory Capacity	500 traces
Stable Source Output Multimode Typical	minus 3 dBm
Stable Source Output Singlemode Typical	minus 2.5 dBm
Battery Life	8 hours continuous per Bellcore TR-NWT-001138
Size HxWxD	250 mm x 125 mm x 75 mm
Weight	1 kg
Operating Temperature	minus 18 C to 50 C
Attenuation	Dead Zone Typical: 3.5/4.5/4/4.5 m

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 18 C to 50 C
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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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Stable Source Output Multimode Typical	minus 3 dBm
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Optional PM Power Range: 26 to minus 64 dBm	
Optional PM Uncertainty: plus or minus 5 percent plus or minus 0.4 nW up to 5 dBm	
Specifications	
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Notes
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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 ·
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.