

EXFO

FTB-150-ACCESS

The EXFO FTB-150-ACCESS is a compact, high-performance optical time domain reflectometer (OTDR) designed specifically for short-range access and FTTH (Fiber-to-the-Home) network testing. Operating on the fast, field-ready FTB-150 platform, the ACCESS configuration features an exceptional 1-meter event dead zone and a 4-meter attenuation dead zone, facilitating precise characterization of closely-spaced events in local loop, metro, and PON networks. Delivering triple-wavelength testing (with choices including 1310, 1490, 1550, and 1625 nm), it is optimized to test through splitters up to 1x32 with industry-leading linearity and lightning-fast trace acquisition.

SPECIFICATIONS

General

Interfaces	3x USB 2.0 ports (two host, one device), 1x RJ-45 LAN (10/100 Base-T), Fiber inspection probe port
Display	8.4-inch (213 mm) TFT outdoor-readable color touchscreen, 800 x 600 SVGA resolution

Physical

Power Supply	AC adapter/charger: 100-240 VAC (50/60 Hz); rechargeable Li-Ion battery
Operating Temperature	0 °C to 50 °C °C
Dimensions (W×H×D)	322 mm × 250 mm × 121 mm mm
Weight	3.2 kg kg

Optical Specifications

Wavelengths	Choice of 1310/1490/1550 nm or 1310/1550/1625 nm (triple-wavelength configurations)
Fiber Type	Singlemode
Event Dead Zone	1 m
Dynamic Range	Up to 38 dB
Linearity	±0.03 dB/dB

Integrated Optical Options

Integrated Optical Options	Stable Light Source, optional Visual Fault Locator (VFL)
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Test Management and Analysis

PON Testing Capability	Tests through high-port-count splitters (up to 1x32)
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Power and Battery

Battery Operating Time	Up to 8 hours (according to standard conditions)
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Environmental and Compliance

Storage Temperature	-40 °C to 70 °C
Relative Humidity Range	0% to 95% non-condensing

OTDR Measurement Performance

Distance Ranges	1.25, 2.5, 5, 10, 20, 40, 80, 160, 260 km
Pulse Widths	5, 10, 30, 100, 275, 500 ns, 1, 2, 10, 20 μs
Distance Uncertainty	±(0.75 m + 0.005 % × distance + sampling resolution)
Sampling Points	Up to 52 000
Sampling Resolution	0.08 to 5 m
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Reflectance Accuracy	±2 dB

Platform & Software

Operating System	Windows CE
Internal Storage Capacity	80 MB (approx. 4000 OTDR traces)

Compliance & Safety

Laser Safety Class	Class 1M (OTDR), Class 3R (VFL)
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Integrated Options Specifications

Visual Fault Locator (VFL) Wavelength	650 nm ± 10 nm
Visual Fault Locator (VFL) Output Power	1 mW (typical)
Built-in Power Meter Calibrated Wavelengths	850, 1300, 1310, 1490, 1550, 1625, 1650 nm
Built-in Power Meter Uncertainty	±5 %

Display

Display Resolution	800 x 600 pixels (SVGA)
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Measurement Parameters

Group Refractive Index Range	1.3000 to 1.7000
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Stabilized Light Source

Stabilized Light Source Modulation	CW, 270 Hz, 1 kHz, 2 kHz
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Built-in Power Meter

Power Meter Resolution	0.01 dB
Power Meter Modulation Detection	270 Hz, 1 kHz, 2 kHz

Visual Fault Locator (VFL)

Visual Fault Locator Connector	Universal 2.5 mm
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Power

Battery Type	Rechargeable Lithium-Ion
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Environmental

Shock Resistance	Meets MIL-T-28800D, Class 3
Vibration Resistance	Meets MIL-T-28800D, Class 3

TECHNOLOGY

Optical Time Domain Reflectometry (OTDR)

APPLICATIONS

Fiber optic access networks, FTTH/PON installation, testing, and troubleshooting

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.