


Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

Exfo FTB-100B Mini-OTDR Mainframe

Applications - Outside-plant OTDR characterization of splices and connectors - Multimode and singlemode link troubleshooting - Pass/fail splice loss and ORL validation - Optional power meter tone detection workflows - Field reporting with floppy/PCMCIA archive Key Features - One-module modular OTDR mainframe - Color 7.7 in or mono 7.



MODEL

Exfo FTB-100B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-100B

LISTING

<https://aumictechlabs.com/products/ftb-100b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FTB-100B Mini-OTDR Mainframe is a portable platform for optical time domain reflectometry testing in field environments. It accepts interchangeable OTDR modules from EXFO's FTB-7000B, FTB-7000D, and FTB-7xxx series, enabling tool-free module swaps in seconds. The unit delivers up to 52,000 trace points (128,000 for fast modules) with sampling resolution to 8 cm, supporting multimode and singlemode fiber characterization across wavelengths from 850 nm to 1625 nm. A monochrome or color transfective touchscreen (7.4 or 7.7 inches, rated for over 1 million touches) provides intuitive operation on a Windows CE platform. The integrated InGaAs power meter covers -70 dBm to +4 dBm with $\pm 5\%$ uncertainty and tone detection at 270 Hz, 1000 Hz, and 200 Hz. Internal 32 MB RAM stores up to 700 traces; PCMCIA flash cards extend capacity to 6000 traces. Standard connectivity includes RS-232C serial, parallel printer port, PS/2 keyboard input, and 3.5 inch floppy drive. OTDR modules deliver

dynamic ranges to 45 dB (singlemode), event dead zones as low as 1 meter, pulse widths from 10 ns to 20 μ s, and distance measurement to 260 km. Four-point loss measurements and ORL calculation are supported across module configurations.

Technical Specifications

Processor: Intel StrongArm 206 MHz

Operating System: Windows CE

Display: Monochrome (7.4 inches) or color (7.7 inches) transfective touchscreen; rated for 1+ million touch cycles

Memory: 32 MB RAM standard (700 traces); up to 6000 traces via PCMCIA flash cards

Interfaces: RS-232C serial, parallel printer port, PS/2 keyboard, PCMCIA Type II, 3.5 inch floppy (1.44 MB)

Power Meter

Range: -70 dBm to +4 dBm; $\pm 5\%$ uncertainty (0 to -46 dBm); linearity ± 0.05 dB (0 to -46 dBm) and ± 0.1 dB (-46 to -57 dBm)

Power Meter Resolution: 0.01 dB (4 to -63 dBm); 0.1 dB (-63 to -70 dBm)

OTDR Trace Capacity: 52,000 points (standard modules); 128,000 points (fast modules)

Sampling Resolution: 8 cm minimum

Key Features

Tool-free module installation; seconds to swap

Wavelengths: 850 nm, 1300 nm, 1310 nm, 1410 nm, 1490 nm, 1550 nm, 1560 nm, 1625 nm

Dynamic range to 45 dB (singlemode modules)

Event dead zones from 1 meter to 8 meters (module-dependent)

Pulse widths: 10 ns, 30 ns, 100 ns, 275 ns, 1000 ns, 2500 ns, 10000 ns, 20000 ns

Distance measurement to 260 km

Four-point loss measurements; ORL calculation

User-defined pass/fail thresholds

Tone detection: 270 Hz, 1000 Hz, 200 Hz

Compatibility & Integration

Accepts FTB-7000B series, FTB-7000D, and FTB-7xxx series OTDR modules. Triple and quad-wavelength configurations available.

Features & description

From manufacturer datasheet

Features

- One-module modular OTDR mainframe

Applications

- Outside-plant OTDR characterization of splices and connectors

FTB100B Characteristics / Specifications

PARAMETER	VALUE
Model	FTB-100B
Manufacturer	EXFO
Instrument Type	Mini-OTDR Modular Mainframe
Alias	FTB100B; Mini-OTDR
Processor	Intel StrongArm 206 MHz
Interfaces	Serial RS-232C; parallel printer; PS/2 keyboard; PCMCIA Type II
Internal memory	32 MB total (about 700 traces typical)
Additional storage	PCMCIA flash cards up to about 6000 traces
Floppy drive	3.5 inch 1.44 MB
Display color option	19.6 cm (7.7 in) LCD touchscreen 640 × 480 256 colors
Display mono option	7.4 in transflective LCD touchscreen 640 × 480
Touchscreen	resistive 8 wires
Positional accuracy	better than 2% full scale; worst case $\leq \pm 0.5$ cm
AC input	100 to 240 V, 50 to 60 Hz
Battery	NiMH rechargeable smart
Battery operating time	8 h (Telcordia TR-NWT-001138 monochrome class)
Recharge time	2.5 h off; 8 h on
Size	21.6 cm x 33.6 cm x 8.9 cm
Weight	3.7 kg (8.1 lb) with OTDR module and battery
Operating temperature	-5 C to 50 C
Storage temperature shipping	-40 C to 60 C
Storage temperature long term	-20 C to 50 C
Relative humidity	0% to 95% non-condensing
PM calibrated wavelengths	850, 1300, 1310, 1550, 1625 nm
PM power range	4 to -70 dBm

PARAMETER	VALUE
PM uncertainty	±5% (0 to -46 dBm)
PM linearity	±0.05 dB (0 to -46 dBm); ±0.1 dB (-46 to -57 dBm)
PM display resolution	0.01 dB (4 to -63 dBm); 0.1 dB (-63 to -70 dBm)
PM tone detection	270 / 1000 / 2000 Hz
Module sampling points class	up to 128000
Module sampling resolution class	as fine as 4 cm
Discontinued date	2006-01-31
End of service date	2011-01-31 Notes Specs from EXFO FTB-100B Mini-OTDR specification sheets. OTDR dynamic range, dead zones, and wavelengths are module-dependent (FTB-7000B/D class); confirm installed module and display option.
Storage temperature	shipping: -40 C to 60 C
Humidity	0% to 95% non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	shipping: -40 C to 60 C
Operating temperature	5 C to 50 C
Operating Temperature	5 C to 50 C
Humidity	0% to 95% non-condensing
Storage temperature shipping	-40 C to 60 C
Storage temperature long term	-20 C to 50 C
Relative humidity	0% to 95% non-condensing
PM calibrated wavelengths	850, 1300, 1310, 1550, 1625 nm
PM power range	4 to -70 dBm
PM uncertainty	±5% (0 to -46 dBm)
PM linearity	±0.05 dB (0 to -46 dBm); ±0.1 dB (-46 to -57 dBm)
PM display resolution	0.01 dB (4 to -63 dBm); 0.1 dB (-63 to -70 dBm)
PM tone detection	270 / 1000 / 2000 Hz
Module sampling points class	up to 128000
Module sampling resolution class	as fine as 4 cm
Discontinued date	2006-01-31
End of service date	2011-01-31 Notes Specs from EXFO FTB-100B Mini-OTDR specification sheets. OTDR dynamic range, dead zones, and wavelengths are module-dependent (FTB-7000B/D class); confirm installed module and display option.

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
Model	FTB-100B
Manufacturer	EXFO
Instrument Type	Mini-OTDR Modular Mainframe
Specifications	
PARAMETER	VALUE
Alias	FTB100B; Mini-OTDR
Processor	Intel StrongArm 206 MHz
Interfaces	Serial RS-232C; parallel printer; PS/2 keyboard; PCMCIA Type II
Specifications	
PARAMETER	VALUE
Internal memory	32 MB total (about 700 traces typical)
Additional storage	PCMCIA flash cards up to about 6000 traces
Floppy drive	3.5 inch 1.44 MB
Specifications	
PARAMETER	VALUE
Display color option	19.6 cm (7.7 in) LCD touchscreen 640 x 480 256 colors
Display mono option	7.4 in transreflective LCD touchscreen 640 x 480
Touchscreen	resistive 8 wires
Specifications	
PARAMETER	VALUE
Positional accuracy	better than 2% full scale; worst case $\leq \pm 0.5$ cm
AC input	100 to 240 V, 50 to 60 Hz
Battery	NiMH rechargeable smart

Specifications

PARAMETER	VALUE
Battery operating time	8 h (Telcordia TR-NWT-001138 monochrome class)
Recharge time	2.5 h off; 8 h on
Size	21.6 cm x 33.6 cm x 8.9 cm

Specifications

PARAMETER	VALUE
Weight	3.7 kg (8.1 lb) with OTDR module and battery
Operating temperature	-5 C to 50 C
Storage temperature shipping	-40 C to 60 C

Specifications

PARAMETER	VALUE
Storage temperature long term	-20 C to 50 C
Relative humidity	0% to 95% non-condensing
PM calibrated wavelengths	850, 1300, 1310, 1550, 1625 nm

Specifications

PARAMETER	VALUE
PM power range	4 to -70 dBm
PM uncertainty	±5% (0 to -46 dBm)
PM linearity	±0.05 dB (0 to -46 dBm); ±0.1 dB (-46 to -57 dBm)

Specifications

PARAMETER	VALUE
PM display resolution	0.01 dB (4 to -63 dBm); 0.1 dB (-63 to -70 dBm)
PM tone detection	270 / 1000 / 2000 Hz
Module sampling points class	up to 128000

Specifications

PARAMETER	VALUE
Module sampling resolution class	as fine as 4 cm
Discontinued date	2006-01-31
End of service date	2011-01-31

Notes

Specs from EXFO FTB-100B Mini-OTDR specification sheets. OTDR dynamic range, dead zones, and wavelengths are module-dependent (FTB-7000B/D class); confirm installed module and display option.

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.