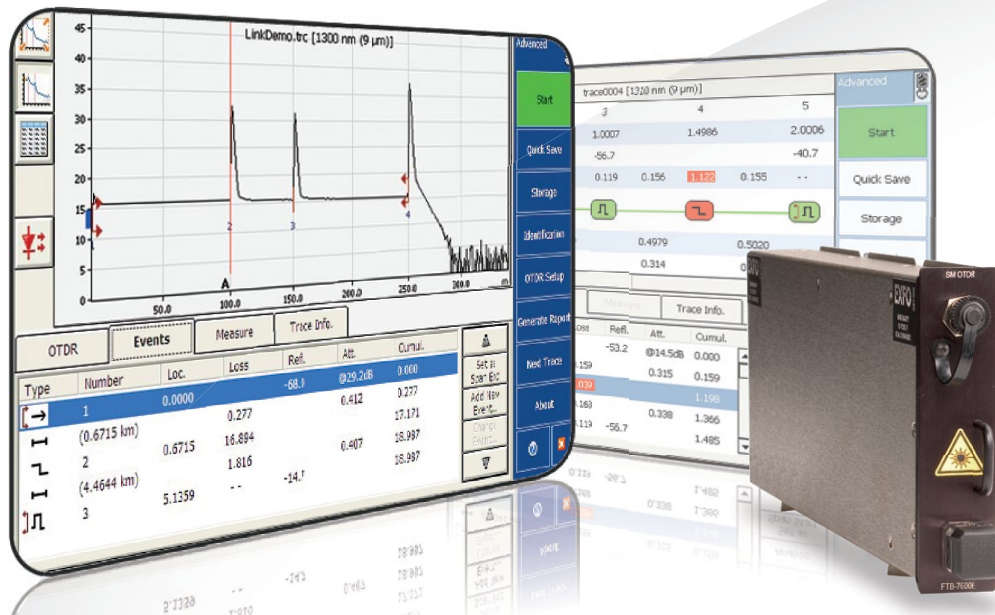


# FTB-7200D LAN/WAN Access OTDR

OPTIMIZED FOR MULTIMODE AND SINGLEMODE ACCESS NETWORK TESTING



40G

EF READY

EXFO Connect  
Compatible



Housed in a full-size portable platform, this OTDR maximizes the operational efficiency of fiber installers when testing multimode and singlemode fibers.

## KEY FEATURES

Dynamic range of up to 36 dB

Event dead zone as low as 1 meter

Combined singlemode/multimode wavelengths (12CD-23B model)

Integrated tool: combines a visual fault locator, inspection probe, broadband power meter and a CW source mode

EF-Ready: use with external launch mode conditioner for EF-compliant, multimode results

EXFO Connect-compatible: automated asset management; data goes through the cloud and into a dynamic database

## APPLICATIONS

Access network testing

LAN/WAN characterization

## PLATFORM COMPATIBILITY



Platform  
FTB-2/FTB-2 Pro



Platform  
FTB-200



Platform  
FTB-500

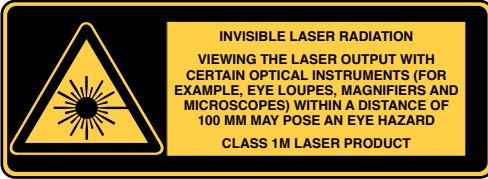
SPECIFICATIONS <sup>a</sup>

TECHNICAL SPECIFICATIONS	
Wavelength (nm) <sup>b</sup>	850 ± 20, 1300 ± 20, 1310 ± 20, 1550 ± 20
Dynamic range (dB) <sup>c, d</sup>	27, 26, 36, 34
Event dead zone (m) <sup>e</sup>	1
Attenuation dead zone (m) <sup>e</sup>	3, 4, 4.5, 5
Distance range (km)	Multimode: 0.1, 0.3, 0.5, 1.3, 2.5, 5, 10, 20, 40 Singlemode: 1.25, 2.5, 5, 10, 20, 40, 80, 160, 260
Pulse width (ns)	Multimode: 5, 10, 30, 100, 275, 1000 Singlemode: 5, 10, 30, 100, 275, 1000, 2500, 10 000, 20 000
Launch conditions <sup>f</sup>	Encircled Flux (EF) compliant <sup>g</sup>
Linearity (dB/dB) <sup>b</sup>	±0.03
Loss threshold (dB)	0.01
Loss resolution (dB)	0.001
Sampling resolution (m)	Multimode: 0.04 to 2.5 Singlemode: 0.04 to 5
Sampling points	Up to 128 000
Distance uncertainty (m) <sup>h</sup>	±(0.75 + 0.0025 % x distance + sampling resolution)
Measurement time	User-defined (60 min. maximum)
Typical real-time refresh (Hz)	3
Stable source output power (dBm) <sup>i</sup>	-1.5 (1300 nm), -7 (1550 nm)

## NOTES

- a. All specifications valid at 23 °C ± 2 °C with an FC/APC connector for singlemode and an FC/PC connector for multimode, unless otherwise specified.
- b. Typical.
- c. Typical dynamic range with longest pulse and three-minute averaging at SNR = 1.
- d. Multimode dynamic range is specified for 62.5 μm fiber; a 3 dB reduction is seen when testing 50 μm fiber.
- e. Typical dead zone for multimode reflectance below -35 dB and singlemode reflectance below -45 dB, using a 5 ns pulse.
- f. Multimode port output fiber is 62.5/125 μm, controlled launch conditions allow 50 μm and 62.5 μm multimode fiber testing..
- g. For 50/125 μm fiber at 850 nm, compliant to TIA-526-14-B and IEC 61280-4-1 Ed. 2.0 using an external EF conditioner (SPSB-EF-C-30). Typically compliant for 50/125 μm fiber at 1300 nm.
- h. Does not include uncertainty due to fiber index.
- i. Typical output power is given at 1300 nm for multimode output and 1550 nm for singlemode output.

## LASER SAFETY



## ORDERING INFORMATION

## Multimode and singlemode (access and LAN/WAN OTDR)

## FTB-7200D-XX-XX-XX-XX

## Model

FTB-7200D-12CD-23B = Four-wavelength MM/SM OTDR module, 850/1300 nm (50/125  $\mu$ m and 62.5/125  $\mu$ m) and 1310/1550 nm (9/125  $\mu$ m)  
 FTB-7200D-12CD = Dual-wavelength MM OTDR module, 850/1300 nm (50/125  $\mu$ m and 62.5/125  $\mu$ m)  
 FTB-7200D-023B = Dual-wavelength SM OTDR module, 1310/1550 nm (9/125  $\mu$ m)

## Singlemode Connector

EA-EUI-28 = APC/DIN 47256  
 EA-EUI-89 = APC/FC narrow key  
 EA-EUI-91 = APC/SC  
 EA-EUI-95 = APC/E-2000  
 EA-EUI-98 = APC/LC  
 EI connectors = See note below

OTDR Software Option<sup>a</sup>

00 = Without software option<sup>b</sup>  
 AD = Macrobend finder and linear view<sup>c</sup>

Multimode Connector<sup>d</sup>

EI-EUI-28 = UPC/DIN 47256  
 EI-EUI-76 = UPC/HMS-10/AG  
 EI-EUI-89 = UPC/FC narrow key  
 EI-EUI-90 = UPC/ST  
 EI-EUI-91 = UPC/SC  
 EI-EUI-95 = UPC/E-2000  
 EI-EUI-98 = UPC/LC

Example: FTB-7200D-12CD-23B-EI-EUI-89-EA-EUI-95-AD

## Notes

- This software option is compatible only on FTB-2 Pro, FTB-200 and FTB-200-V2 platform.
- Includes macrobend finder in FTB-2/FTB-2 Pro.
- Included in FTB-200v2. Not available in FTB-2/FTB-2 Pro.
- Please refer to the example above. First select the multimode connector, then the singlemode connector.

## EI CONNECTORS



To maximize the performance of your OTDR, EXFO recommends using APC connectors. These connectors generate lower reflectance, which is a critical parameter that affects performance, particularly dead zones. APC connectors provide better performances than UPC connectors, thereby improving testing efficiency.

**Note:** UPC connectors are also available, simply replace EA-XX by EI-XX in the ordering part number. Additional connectors available are the EI-EUI-76 (UPC/HMS-10/AG) and EI-EUI-90 (UPC/ST).

EXFO Headquarters > Tel.: +1 418 683-0211 | Toll-free: +1 800 663-3936 (USA and Canada) | Fax: +1 418 683-2170 | info@EXFO.com | [www.EXFO.com](http://www.EXFO.com)

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