EXFO FTB-200 FTB-7300E Specs Provided by www.AAATesters.com FTB-7300E PON FTTX/MDU OTDR

OPTIMIZED FOR ACCESS FIBER DEPLOYMENTS AND TROUBLESHOOTING



Perfect for fiber installers needing to seamlessly characterize splitters in PON FTTx and MDU applications

KEY FEATURES

Test through high-port-count splitters (up to 1x128)

Singlemode port for in-service troubleshooting

Dynamic range of up to 39 dB

Short acquisition time to speed up deployment process

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

iOLM-ready: one-touch multiple acquisitions, with clear go/no-go results presented in a straightforward visual format

PLATFORM COMPATIBILITY





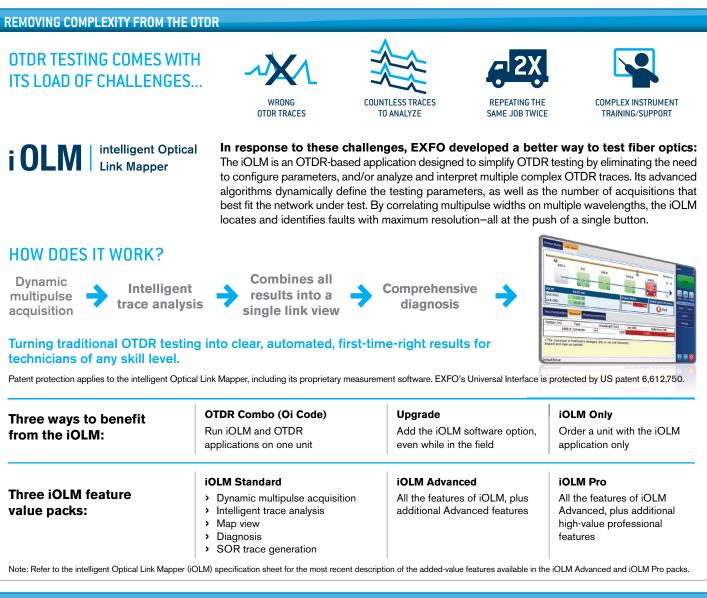
Platform FTB-2/FTB-2 Pro Platform Platform FTB-200 FTB-500

APPLICATIONS

FTTx/MDU test challenges within PON networks

Access network testing





AUTOMATE ASSET MANAGEMENT. PUSH TEST DATA IN THE CLOUD. GET CONNECTED.

EXF0 Connect

EXFO Connect pushes and stores test equipment and test-data content automatically in the cloud, allowing you to streamline test operation from build-out to maintenance.

ADDITIONAL SOFTWARE TEST CAPABILITIES ON THE FTB-1 PLATFORM

EXpert Test Tools is a series of software applications leveraged through the FTB ecosystem platforms and designed to enhance and simplify FTTH/FTTx service deployments:

EXpert IP TEST TOOLS VOIP **EXpert VoIP:** Generate voice-over-IP call to validate performance during service turn-up and troubleshooting. This tool boasts a highly configurable test interface to maximize control over test parameters yet maintains an intuitive user interface, allowing for fast and easy test setup and completion.

EXpert IP: Benefit from six commonly used IP test tools in one application, helping field technicians deal with the complex testing environments of today's networks and further preparing them to handle unexpected customer issues easily and without interruption.

EXpert IPTV: Enables quick pass/fail verification on IPTV installations during service turn-up. By emulating a set-top box and displaying a real-time video preview, video and audio quality can be determined before any other equipment is installed, further ensuring subscribers' quality of experience (available on FTB-1 platform only).



All specifications valid at 23° C ± 2° C with an FC/APC connector, unless otherwise specified.

TECHNICAL SPECIFICATIONS	
Model	FTB-7300E ^a
Wavelength (nm) ^b	$1310 \pm 20/1490 \pm 15/1550 \pm 20/1625 \pm 10/1650 \pm 7$
Dynamic range at 20 μ s (dB) $^{\circ}$	39/38/37/39 ^d /37
Event dead zone (m) ^e	0.8
Attenuation dead zone (m) ^e	4/4.5/4.5/4.5
Distance range (km)	1.25, 2.5, 5, 10, 20, 40, 80, 160, 260, 400
Pulse width (ns)	5, 10, 30, 50, 100, 275, 500, 1000, 2500, 10 000, 20 000
Linearity (dB/dB) ^b	± 0.03
Loss threshold (dB)	0.01
Loss resolution (dB)	0.001
Sampling resolution (m)	0.04 to 5
Sampling points	Up to 256 000
Distance uncertainty (m) ^f	\pm (0.75 + 0.001 % x distance + sampling resolution)
Measurement time	User-defined (60 min. maximum)
Typical real-time refresh (Hz)	4
Stable source output power (dBm) ^g	-2.5
Reflectance (dB) ^b	± 2

For complete details on all available configurations, refer to the Ordering Information section.

Notes

a. SM Live port built in filter's bandpass 1625 nm \pm 15 nm/1650 nm \pm 7 nm.

b. Typical.

c. Typical dynamic range with a three-minute averaging at SNR = 1.

d. Non-SM Live 1625 nm dynamic range is 37 dB.

e. Typical dead zone of singlemode modules for reflectance below -45 dB, using a 5 ns pulse.

f. Does not include uncertainty due to fiber index.

g. Typical output power value at 1550 nm.

GENERAL SPECIFICATIONS

Size (H x W x D)		97 mm x 25 mm x 260 mm (3 ¹³ / ₁₆ in x 1 in x 10 ¼ in)
Weight		0.55 kg (1.2 lb)
Temperature	operating storage	0 °C to 50 °C (32 °F to 122 °F) −40 °C to 70 °C (−40 °F to 158 °F)
Relative humidity		0 % to 95 % non-condensing

LASER SAFETY





ORDERING INFORMATION Singlemode (PON FTTx/MDU) for FTB-2, FTB-2 Pro, FTB-200 or FTB-500 Platform FTB-7300E-XX-XX-XX iOLM Software Option Model 00 = iOLM Standard **Dual Wavelength** FTB-7300E-023B = SM OTDR module, 1310/1550 nm (9/125 μm) iADV = iOLM Advanced ^a iPRO = iOLM Pro^a FTB-7300E-034B = SM OTDR module, 1550/1625 nm (9/125 µm) OTDR Software Option **Triple Wavelength** 00 = Without software option ^b FTB-7300E-234B = SM OTDR module, 1310/1550/1625 nm (9/125 μm) AD = Macrobend finder and linear view c FTB-7300E-236B = SM OTDR module, 1310/1490/1550 nm (9/125 µm) Connector SM Live Port EA-EUI-28 = APC/DIN 47256 FTB-7300E-023B-04B = SM and SM live OTDR module, 1310/1550 and 1625 nm live port EA-EUI-89 = APC/FC narrow key FTB-7300E-023B-08B = SM and SM live OTDR module, 1310/1550 and 1650 nm live port EA-EUI-91 = APC/SCFTB-7300E-000-04B = SM live OTDR with 1625 nm live port (9/125 μ m) EA-EUI-95 = APC/E-2000EA-EUI-98 = APC/LCBase Software OTDR = Enables the OTDR application only El Connectors: See note below iOLM = Enables the iOLM application only Oi = Enables iOLM and OTDR applications Example: FTB-7300E-023B-04B-Oi-EA-EUI-89-AD Notes

a. The features available in iOLM Advanced and Pro depend on the platform and the module. Please refer to the intelligent Optical Link Mapper (iOLM) specification sheet for package details.

b. Includes macrobend finder and linear view in FTB-2/FTB-2 Pro.

c. Included in FTB-200. Not available in FTB-2/FTB-2 Pro.

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

EXFO serves over 2000 customers in more than 100 countries. To find your local office contact details, please go to www.EXFO.com/contact.

EXFO is certified ISO 9001 and attests to the quality of these products. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices. In addition, all of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit www.EXFO.com/recycle. Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

For the most recent version of this spec sheet, please go to the EXFO website at www.EXFO.com/specs.

In case of discrepancy, the web version takes precedence over any printed literature.

