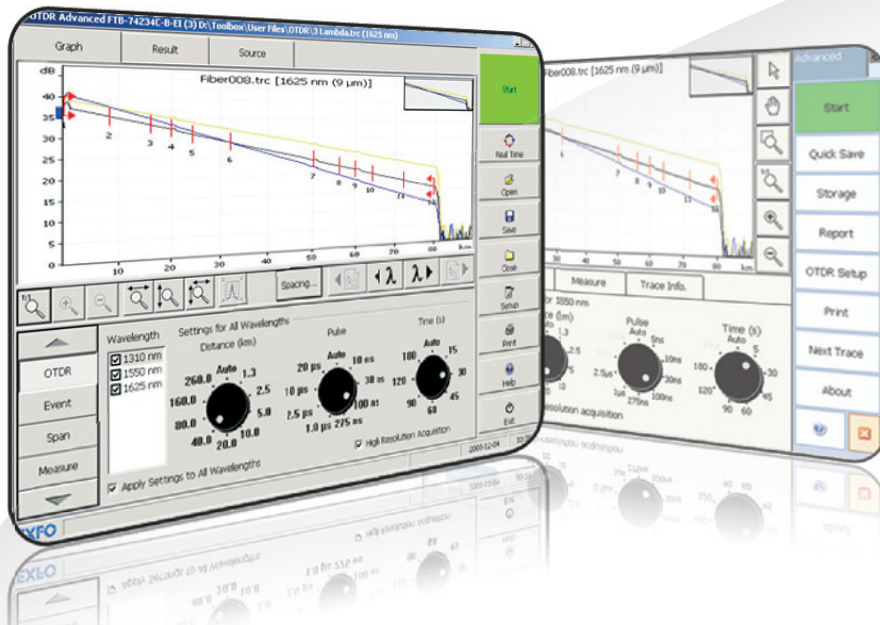


FTB-7500E—Metro/Long-Haul OTDR

LONG-DISTANCE FIBER CHARACTERIZATION AND FIBER UPGRADES



High dynamic range combined with high resolution, for truly accurate fiber characterization

KEY FEATURES

- Dynamic range of up to 45 dB
- Up to 256 000 sampling points
- Event dead zone of 0.8 m and attenuation dead zone of 4 m
- Industry-leading linearity of ± 0.03 dB/dB

APPLICATIONS

- Metro network testing
- Long-haul network testing

PLATFORM COMPATIBILITY



Platform
FTB-500



Compact Platform
FTB-200



Assessing
Next-Gen Networks

SPEC SHEET

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

TECHNICAL SPECIFICATIONS ^a

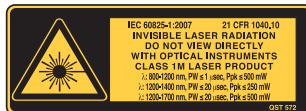
Model ^a	FTB-7500E
Wavelengths (nm) ^b	1310 ± 20/1550 ± 20/1625 ± 10
Dynamic range at 20 μs (dB) ^c	45/45/45
Event dead zone (m) ^d	0.8
Attenuation dead zone (m) ^d	4/4.5/4.5
Distance range (km)	1.25, 2.5, 5, 10, 20, 40, 80, 160, 260, 400
Pulse width (ns)	5, 10, 30, 100, 275, 1000, 2500, 10 000, 20 000
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) ^e	± (0.75 + 0.001 % x distance + sampling resolution)
Measurement time	User-defined (5 sec. minimum to 60 min. maximum)
Typical real-time refresh (Hz)	4
Stable source output power (dBm) ^f	-1 (7500E-0023B)
Visual fault locator (optional) ^b	Laser, 650 nm ± 10 nm CW, P _{out} in 62.5/125 μm: 1.5 dBm (1.4 mW)

Notes

- For complete details on all available configurations, refer to the Ordering Information section.
- Typical.
- Typical dynamic range with a three-minute averaging at SNR = 1. Typical dynamic range at 1550 nm for the FTB-7500E-0023B configuration is 2 dB lower.
- Typical dead zone of singlemode modules for reflectance below -45 dB, using a 5 ns pulse.
- Does not include uncertainty due to fiber index.
- Typical output power value at 1550 nm.

LASER SAFETY

21 CFR 1040.10 AND IEC 60825-1:2007
CLASS 1M WITHOUT VFL OPTION
CLASS 3R WITH VFL OPTION



ORDERING INFORMATION

Singlemode (METRO/LONG-HAUL)

FTB-7500E-XX-XX-VFL-XX

Model

Dual-wavelength

FTB-7500E-0023B = SM OTDR module, 1310/1550 nm (9/125 μm)^a
 FTB-7500E-0034B = SM OTDR module, 1550/1625 nm (9/125 μm)^a

Example: FTB-7500E-0023B-EI-EUI-89-VFL-AD

Software Option

00 = Without software option
 AD = Macro bend finder and linear view^b

Visual fault locator (universal 2.5 mm connector)

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
 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

Note

- a. VFL always included.
 b. This software option is compatible only on FTB-200 platform.

EXFO Corporate Headquarters > 400 Godin Avenue, Quebec City (Quebec) G1M 2K2 CANADA | Tel.: +1 418 683-0211 | Fax: +1 418 683-2170 | info@EXFO.com

Toll-free: +1 800 663-3936 (USA and Canada) | www.EXFO.com

EXFO America	3701 Plano Parkway, Suite 160	Plano, TX 75075 USA	Tel.: +1 800 663-3936	Fax: +1 972 836-0164
EXFO Asia	100 Beach Road, #22-01/03 Shaw Tower	SINGAPORE 189702	Tel.: +65 6333 8241	Fax: +65 6333 8242
EXFO China	36 North, 3 rd Ring Road East, Dongcheng District Room 1207, Tower C, Global Trade Center	Beijing 100013 P. R. CHINA	Tel.: + 86 10 5825 7755	Fax: +86 10 5825 7722
EXFO Europe	Omega Enterprise Park, Electron Way	Chandlers Ford, Hampshire S053 4SE ENGLAND	Tel.: +44 2380 246810	Fax: +44 2380 246801
EXFO NetHawk	Elektronikkatie 2	FI-90590 Oulu, FINLAND	Tel.: +358 (0)403 010 300	Fax: +358 (0)8 564 5203
EXFO Service Assurance	270 Billerica Road	Chelmsford, MA 01824 USA	Tel.: +1 978 367-5600	Fax: +1 978 367-5700

EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. 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.