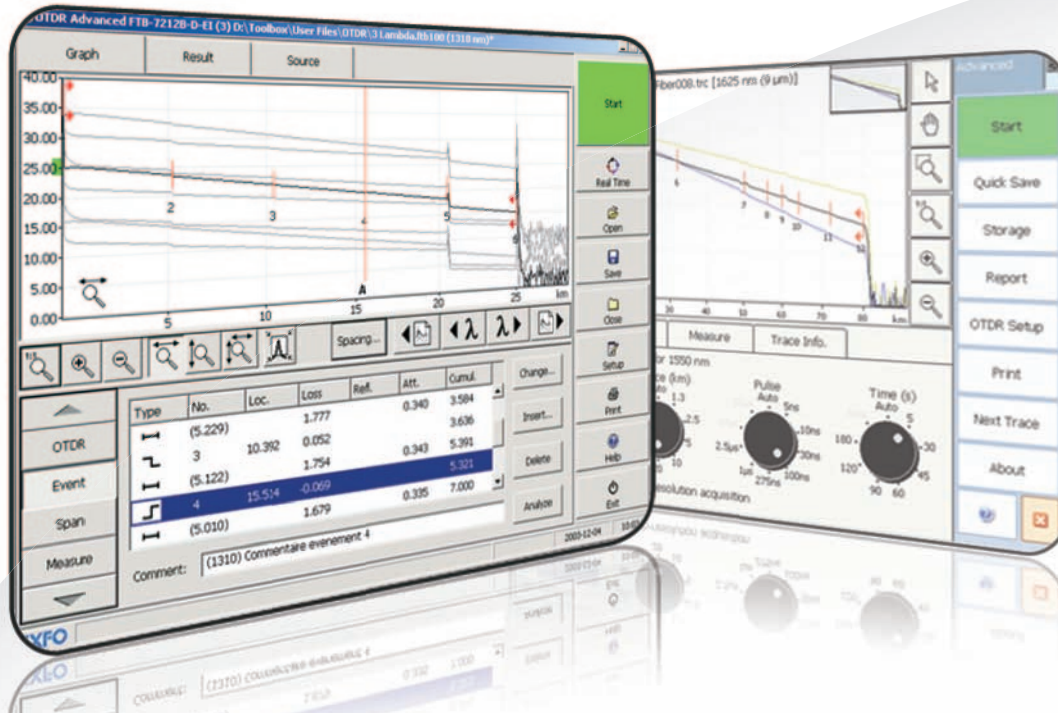


FTB-7400E—Metro/CWDM OTDR

METRO/CORE AND CWDM NETWORK FIBER CHARACTERIZATION



High-resolution OTDR covering longer metro distances and ITU-based CWDM networks

KEY FEATURES

- Industry-leading linearity of ± 0.03 dB/dB
- Up to 256 000 sampling points
- Event dead zone of 0.8 m and attenuation dead zone of 4 m
- Low-water-peak fiber testing at 1383 nm
- Dynamic range of up to 42 dB for long-haul testing
- Tests through CWDM-based multiplexers and demultiplexers at ITU-recommended wavelengths

APPLICATIONS

- Metro/core network testing
- CWDM network testing

PLATFORM COMPATIBILITY



Platform
FTB-500



Compact Platform
FTB-200



Assessing
Next-Gen Networks

überreicht durch:



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

TECHNICAL SPECIFICATIONS

Model ^a	FTB-7400E-XXXX	FTB-7400E-CWS	FTB-7400E-CWCL
Wavelengths (nm) ^b	1310 ± 20/1383 ± 1/1550 ± 20/1625 ± 10	1470 ± 3/1490 ± 3/1510 ± 3/1530 ± 3	1550 ± 3/1570 ± 3/1590 ± 3/1610 ± 3
Dynamic range at 20 μs (dB) ^c	42/40/41/41	41/41/ 41/41	41/41/ 40/40
Event dead zone (m) ^d	0.8	0.8	0.8
Attenuation dead zone (m) ^d	4/4/4.5/4.5	4/4.5/4.5	4/4.5/4.5
Distance range (km)	1.25, 2.5, 5, 10, 20, 40, 80, 160, 260, 400	1.25, 2.5, 5, 10, 20, 40, 80, 160, 260, 400	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	5, 10, 30, 100, 275, 1000, 2500, 10 000, 20 000	5, 10, 30, 100, 275, 1000, 2500, 10 000, 20 000
Linearity (dB/dB) ^b	± 0.03	± 0.03	± 0.03
Loss threshold (dB)	0.01	0.01	0.01
Loss resolution (dB)	0.001	0.001	0.001
Sampling resolution (m)	0.04 to 5	0.04 to 5	0.04 to 5
Sampling points	Up to 256 000	Up to 256 000	Up to 256 000
Distance uncertainty (m) ^e	± (0.75 + 0.001 % x distance + sampling resolution)	± (0.75 + 0.001 % x distance + sampling resolution)	± (0.75 + 0.001 % x distance + sampling resolution)
Measurement time	User-defined (5 sec. minimum to 60 min. maximum)	User-defined (5 sec. minimum to 60 min. maximum)	User-defined (5 sec. minimum to 60 min. maximum)
Typical real-time refresh (Hz)	4	4	4
Stable source output power (dBm) ^f	-4.5 (7400E-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 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/CWDM)

FTB-7400E-XX-XX-XX-XX

Model

Dual-wavelength

FTB-7400E-0023B = SM OTDR module, 1310/1550 nm (9/125 μ m)

Triple-wavelength

FTB-7400E-0234B = SM OTDR module, 1310/1550/1625 nm (9/125 μ m)^a

Four-wavelength

FTB-7400E-2347B = SM OTDR module, 1310/1383/1550/1625 nm (9/125 μ m)^aFTB-7400E-CWS = CWDM SM OTDR module, 1470/1490/1510/1530 nm (9/125 μ m)^aFTB-7400E-CWCL = CWDM SM OTDR module, 1550/1570/1590/1610 nm (9/125 μ m)^a

Example: FTB-7400E-2347B-EI-EUI-89-VFL-AD

Software Option

00 = Without software option

AD = Macrobend finder and linear view^b

Visual fault locator (universal 2.5 mm connector)

00 = Without visual fault locator

VFL = With 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.

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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.

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