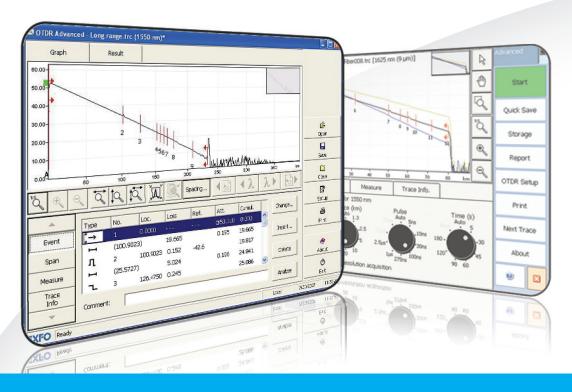
# FTB-7600E—Ultra-Long-Haul 0TDR

HIGH-END FIBER CHARACTERIZATION AND SUBMARINE CABLE TESTING



50 dB OTDR characterizing fiber with maximum accuracy over distances of more than 200 km

#### **KEY FEATURES**

Dynamic range of up to 50 dB

Single- and dual-wavelength configurations [1310/1550/1625 nm]

Up to 256 000 sampling points

Industry-leading linearity of  $\pm$  0.03 dB/dB

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

#### **APPLICATIONS**

Ultra-long-haul network testing

Submarine cable testing







#### PLATFORM COMPATIBILITY











## **EXFO** Connect



#### AUTOMATED ASSET MANAGEMENT. PUSH TEST DATA IN THE CLOUD. GET CONNECTED.

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.

### **EXPERT TEST TOOLS ON THE FTB-200 PLATFORM**

EXpert Test Tools is a series of platform-based software testing tools that enhance the value of the FTB-200 platform, providing additional testing capabilities without the need for additional modules or units.

#### **EXpert TEST TOOLS**



EXpert VoIP generates a voice-over-IP call directly from the test platform to validate performance during service turn-up and troubleshooting.

- > Supports a wide range of signaling protocols, including SIP, SCCP, H.248/Megaco and H.323
- > Supports MOS and R-factor quality metrics
- > Simplifies testing with configurable pass/fail thresholds and RTP metrics



EXpert IP integrates six commonly used datacom test tools into one platform-based application to ensure that field technicians are prepared for a wide range of testing needs.

- > Rapidly performs debugging sequences with VLAN scan and LAN discovery
- > Validates end-to-end ping and traceroute
- > Verifies FTP performance and HTTP availability



This powerful IPTV quality assessment solution enables set-top-box emulation and passive monitoring of IPTV streams, allowing quick and easy pass/fail verification of IPTV installations.

- > Real-time video preview
- > Analyzes up to 10 video streams
- > Comprehensive QoS and QoE metrics including MOS score



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

TECHNICAL SPECIFICATIONS a	
Model <sup>a</sup>	FTB-7600E
Wavelengths (nm) <sup>b</sup>	$1310 \pm 20/1550 \pm 20/1625 \pm 10$
Dynamic range at 20 $\mu s$ (dB) $^{\circ}$	50/50/48 <sup>g</sup>
Event dead zone (m) <sup>d</sup>	1/1.5/1
Attenuation dead zone (m) <sup>d</sup>	5/5/5
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) <sup>e</sup>	± (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) <sup>f</sup>	5
Visual fault locator (optional) <sup>b</sup>	Laser, 650 nm ± 10 nm CW, P <sub>out</sub> in 62.5/125 μm: 1.5 dBm (1.4 mW)

#### Notes

- a. For complete details on all available configurations, refer to the Ordering Information section.
- b. Typical.
- c. Typical dynamic range with a three-minute averaging at  $\ensuremath{\mathsf{SNR}}=1.$
- d. Typical dead zone of singlemode modules for reflectance below -45 dB, using a 5 ns pulse.
- e. Does not include uncertainty due to fiber index.
- f. Typical output power value at 1550 nm.
- g. With NZDS fiber (G.655).

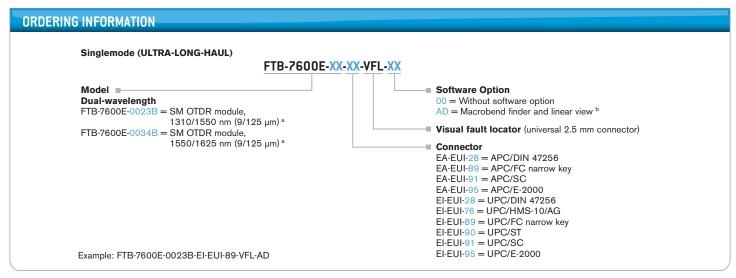
### LASER SAFETY

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









#### Notes

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



