Trust the World-Leading OTDR Manufacturer

The household name in OTDR technology

Since the company’s inception in 1985, OTDR technology has always been at the core of EXFO’s optical testing expertise. Today, with a market share closing in on 50% and the broadest OTDR portfolio, we have an OTDR built smart for any type of network.

As a network operator, what you can expect from EXFO is expert-level test know-how, powerful and user-friendly tools, as well as a unique testing environment to bridge the OPEX gap created by the booming bandwidth demand. With field-proven procedures, integrated test solutions and cloud-based data and hardware management, you have what it takes to confidently and cost-effectively deploy your networks.
THREE EASY STEPS TO A PERFECT FIT

1. CHOOSE YOUR NETWORK APPLICATION
   True OTDR performance goes far beyond simple product specifications. It’s about optimizing your network services, based on application-specific parameters.

2. CHOOSE YOUR FORM FACTOR
   › Compact, dedicated handheld test set for performing single-minded tasks under tight budget constraints
   › Modular handheld platform providing more flexibility for repetitive daily tasks
   › Full-sized modular platform for advanced multi-application testing

3. CHOOSE YOUR TECHNOLOGY
   Go traditional, go bleeding-edge, or combine the best of both worlds in a single unit:
   › Time-proven OTDR technology with advanced modes, trace analysis and editing
   › Groundbreaking iOLM and Link-Aware™ technology, with its multipulse approach, visual link depiction and per-event diagnosis
# 1 Choose Your Network Application

**Applications**

<table>
<thead>
<tr>
<th>LAN/WAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Centers</td>
</tr>
<tr>
<td>Private/Enterprise</td>
</tr>
<tr>
<td>P2P Access</td>
</tr>
<tr>
<td><strong>Cellular Backhaul (FTTT/FTTA)</strong></td>
</tr>
<tr>
<td><strong>FTTx</strong></td>
</tr>
<tr>
<td><strong>Passive Optical (PON)</strong></td>
</tr>
<tr>
<td><strong>MDU</strong></td>
</tr>
<tr>
<td><strong>Short Metro</strong></td>
</tr>
<tr>
<td><strong>Long-Haul</strong></td>
</tr>
<tr>
<td><strong>Metro/Core</strong></td>
</tr>
<tr>
<td><strong>CWDM</strong></td>
</tr>
<tr>
<td><strong>CATV</strong></td>
</tr>
<tr>
<td><strong>Submarine Cables</strong></td>
</tr>
<tr>
<td><strong>Ultra-Long-Haul</strong></td>
</tr>
</tbody>
</table>
**KEY TEST REQUIREMENTS**

- Short dead zones to locate closely spaced events
- Multimode (MM) and singlemode (SM) testing in a single unit
- Controlled multimode launch conditions, for maximum loss measurement accuracy
- Single-button operation with clear “go/no go” status

- Accrued performance without compromising resolution or dynamic range
- Testing through high-port-count splitters (up to 1 x 128)
- 1625 nm filtered port for in-service troubleshooting and maintaining QoS while testing

- High dynamic range to reach greater distances
- High resolution to account for many closely spaced splice points
- The most wavelengths possible in a single unit, for efficient CWDM testing

- Test reach of up to 250 km
- Highest dynamic range possible (up to 50 dB), for deploying and maintaining the long fiber spans typically seen in ultra-long-haul and very-high-speed networks
- Great linearity of ± 0.03 dB/dB without compromising resolution or reach
2

CHOOSE YOUR FORM FACTOR

HANDHELD

DEDICATED

AXS-100 SERIES
Cost-effective, lightweight field test set

MODULAR

FTB-1* 1 SLOT
Small, yet powerful frontline platform

FULL-SIZED

MODULAR

FTB-200* 2 SLOTS
Compact, multi-application platform

MODULAR

FTB-500* 4 SLOTS or 8 SLOTS
Boundless capabilities, testing unlimited

*PART OF THE FTB Ecosystem

www.futureofdeployments.com
CHOOSE YOUR TECHNOLOGY

TIME-PROVEN OTDR TESTING

The key: precision of the software analysis and a feature set that accelerates test routines.

GROUNDBREAKING iOLM APPLICATION

The intelligent Optical Link Mapper (iOLM) is an innovative OTDR-based application that redefines simplicity in fiber testing.

MARKET-LEADING PERFORMANCE AND UNMATCHED USER-FRIENDLINESS

➤ Select your preferred mode: Auto or Advanced

➤ Change test parameters on the fly

➤ Efficiently analyze traces with multi-zoom tool

➤ Automatically generate reports

POWERED BY

ONE-TOUCH, AUTOMATIC ANALYSIS AND CLEAR LINK VIEW DISPLAY

Launch multiple OTDR acquisitions

↓

Analyze the traces

↓

Compound the results

↓

Display a schematic link view and prompt diagnosis

Protected by US patent 6,612,750
<table>
<thead>
<tr>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN/WAN</td>
</tr>
<tr>
<td>DATA CENTERS</td>
</tr>
<tr>
<td>PRIVATE/ENTERPRISE</td>
</tr>
<tr>
<td>P2P ACCESS</td>
</tr>
<tr>
<td>CELLULAR BACKHAUL (FTTT/FTTA)</td>
</tr>
<tr>
<td>FTTx</td>
</tr>
<tr>
<td>PASSIVE OPTICAL (PON)</td>
</tr>
<tr>
<td>MDU</td>
</tr>
<tr>
<td>SHORT METRO</td>
</tr>
<tr>
<td>LONG-HAUL</td>
</tr>
<tr>
<td>METRO/CORE</td>
</tr>
<tr>
<td>CWDM</td>
</tr>
<tr>
<td>CATV</td>
</tr>
<tr>
<td>SUBMARINE CABLES</td>
</tr>
<tr>
<td>ULTRA-LONG-HAUL</td>
</tr>
</tbody>
</table>
## OTDR AND iOLM SOLUTION

| Lightweight, On-the-Go Alternative | High-Efficiency Frontline Testing | Quad Powerhouse
<table>
<thead>
<tr>
<th>AXS-110</th>
<th>FTB-1 + FTB-720 or FTB-1 + FTB-720-iOLM</th>
<th>FTB-200 + FTB-7200D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last-Mile, Handheld Troubleshooting Unit</td>
<td>Faster FTTx/MDU Testing</td>
<td>Complete Network Construction Solution</td>
</tr>
<tr>
<td>AXS-100</td>
<td>FTB-1 + FTB-730 or FTB-1 + FTB-730-iOLM</td>
<td>FTB-200 + FTB-7300E</td>
</tr>
<tr>
<td>Lightweight, On-the-Go Alternative</td>
<td>No-Compromise Metro/CWDM Versatility</td>
<td>Total Fiber Characterization Kit</td>
</tr>
<tr>
<td>AXS-110</td>
<td>FTB-1 + FTB-7400E</td>
<td>FTB-500 + FTB-7500E + FTB-5500B + FTB-5800</td>
</tr>
<tr>
<td></td>
<td>Long-Haul Reach</td>
<td>Ultra-Long-Haul Portable Combo</td>
</tr>
<tr>
<td></td>
<td>FTB-200 + FTB-7500E</td>
<td>FTB-500 + FTB-7600E + FTB-5500B + FTB-5800</td>
</tr>
</tbody>
</table>
BOOST YOUR FIELD-TESTING PRODUCTIVITY

SOFTWARE TOOLS

**Automated Pass/Fail Connector Endface Analysis**
- Secure the first step of fiber testing
  - Save time and money: lightning-fast results through simple one-touch operation
  - Automated pass/fail analysis on any FTB platform: FTB-1, FTB-200 and FTB-500
  - Complete test reports for future referencing: stores images and results

**Edit, Analyze and Document Results More Efficiently**
- Simplify reporting for all optical tests
  - Consolidated data management and post-processing for multiple optical test applications: OTDR, optical link mapper (iOLM), ORL, loss, PMD, CD, as well as connector inspection results
  - Powerful batch processing and bidirectional batch analysis
  - Automatic detection of duplicated measurements

**Triple-Play Bundle for Voice, Video and Data Services**
- Streamline testing of IP-based services
  - Voice-over-IP (VoIP) performance validation for service turn-up and troubleshooting in enterprise and service provider networks
  - IP connectivity verification with ping tool
  - Debugging of VLAN issues using VLAN scan
  - File transfer protocol (FTP) service verification
  - Quick and easy pass/fail verification of IPTV installations

**Product Code:**
- **ConnectorMax**
  - FPSA/FPMF
- **FastReporter 2**
  - FR2-XX
- **Exper IPTV or Exper TPP Bundle**

**Free 30-Day Trial**
www.EXFO.com/EXFO-Store/EXFO-Apps
PUTTING THE FINISHING TOUCHES

CHOOSE YOUR ACCESSORIES

› Video fiber inspection probe (200/400x)
  Rugged tool for connector endface inspection

› Visual fault locator
  Pinpoints fiber breaks

› Power meter (GeX or InGaAs)
  Accurate, built-in tool

› CWDM power meter (GeX or InGaAs)
  Built-in CWDM-calibrated tool

› Wi-Fi and Blueooth
  Built-in for enhanced connectivity

› Smart kit (automated software tools)
  Macrobend finder, summary screen and pass/fail thresholds

› IP tester
  Performs basic IP tests

› Outdoor-enhanced screen
  Better readability under direct sunlight

› Launch test cable/pulse suppressor box
  Enables loss measurements on the first and last connections

PRODUCT CODE

FP4D/FP4S
VFL
PM2X/PM3
PM2X-CWDM/PM3-CWDM
RF
AD/EC
IPT
S2
SPSB-XXX-XX

CHOOSE YOUR CONNECTORS

To maintain measurement accuracy, select APC over UPC

› UPC connectors are prone to high reflectance, which affects OTDR/iOLM readings

› UPC connectors wear out faster; return to factory means higher cost of ownership

› A unit equipped with APC connectors can still test a UPC network with a hybrid launch cable (such as EXFO’s SPSB/PSB/FTB-LTC)

Available singlemode connectors

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

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-91 (UPC/ST).
Choose your CoNNeCtors
The choice is yours at EXFO.com/OTDR