Intelligent Optical Link Mapper (iOLM)

AUTOMATED. EXPERT-LEVEL SINGLEMODE FIBER TESTING



Available on:

- > FTB-720 LAN/WAN test module
- > FTB-730 FTTx/P0N test module

POWERED BY



Patent protection applies to the intelligent Optical Link Mapper, including its proprietary measurement software. EXFO's Universal Interface is protected by US patent 6,612,750.

Using automated multipulse acquisitions and advanced algorithms, the iOLM is an OTDR-based application that delivers detailed information on every element on the link, in a single button operation—providing maximum intelligence and simplicity for expert-level link characterization.

KEY FEATURES

Self-setting unit

Link-Aware technology

Optical Link View

Prompt diagnosis

In-line optical power meter

OTDR trace file generation (.sor)

CHOOSE THE PERFECT FIT

The iOLM is offered as a stand-alone application or as a field-upgradable software option with the OTDR application.

FTB-720 LAN/WAN test module

Dynamic range up to 36 dB

Point-to-point testing of short access links

Multimode and singlemode testing

FTB-730 FTTx/PON test module

Dynamic range up to 39 dB

Ideal for deploying FTTH and point-to-point

(access and metro) networks

End-to-end PON characterization (splitter configuration up to 1 x 128)

PLATFORM COMPATIBILITY



FTB-1 One-module platform for dedicated applications EXFO Connect



EXFO Connect

EXFO Connect

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

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

REVOLUTIONIZING SINGLE-ENDED FIBER DEPLOYMENTS



Link-Aware™ Technology

Let it optimize the test run

With one click, the unit automatically performs link recognition, sets the optimal parameters and launches multiple acquisitions and multiple analyses—at multiple wavelengths—consolidating the results obtained for every link section and every network element. Get accurate information right away on each link element and export it to a single report.



Self-Setting Unit

Let it be the expert

Powered by Link-Aware technology, the iOLM self-manages the setting of all test parameters—ready-to-use intelligence that dramatically shortens the learning curve. Minimize training, avoid test misconfiguration, and facilitate your technicians' transition from copper to fiber.



Optical Link View

Let it crunch the data

Leaving behind complex OTDR traces, the simplified link mapper provides a straightforward view of the fiber under test, with clear icons and pass/fail verdicts. Get actual results: end-to-end visual assessment of your link, complete with event characterization and fiber status.



Prompt Diagnosis

Let it show you the way

Loaded with countless algorithms and a database of potential network failures, the iOLM guides you through your network's problem-solving process. Say goodbye to trace misinterpretation, and ensure that all your technicians—not just your most experienced ones—can efficiently fix network issues right on the spot.



In-Line Optical Power Meter (available with FTB-730 only)

Let it fast-track troubleshooting

Connect, check power readings, get a link map and find the fault-all in one click and without disconnecting the fiber. Gear up for lightning-fast troubleshooting.



OTDR Trace File Generation

Let it fit your existing test filing requirements

The iOLM can generate a universal and enhanced Bellcore format (.sor) OTDR trace to comply with your existing reporting and post-processing requirements. This OTDR trace integrates all the additional information gathered by the iOLM, providing more complete results.



Mandatory: Angled-Polished (APC) Connectors

Like any OTDR, the iOLM will be impacted by strong reflections at the unit's port. To ensure low reflections and maintain measurement accuracy, the iOLM singlemode port must be used with APC connectors. Another advantage of using APC connectors is their ability to handle harsher conditions without becoming highly reflective while maintaining the unit's performance.

In the case of UPC connectors, they are prone to be highly reflective if contaminated, worn or damaged. This will affect the measurement and will lead to premature connector replacement. Although testing a UPC network does not require a UPC unit, using an APC/UPC test jumper (included with the iOLM) or a launch fiber (SPSB) ensures compatibility.

Recommended Test Method

EXFO recommends using a 150-meter launch cable (SPSB) to exclude the loss of the iOLM's connector or to allow UPC network testing. It will also extend the instrument's connector life by reducing the number of matings—ultimately improving the cost of ownership.



GENERAL SPECIFICATIONS				
Module	FTB-720	FTB-730		
Size (H x W x D)	130 mm x 36 mm x 252 mm (5 $^{1}/_{8}$ in x 1 $^{7}/_{16}$ in x 9 $^{15}/_{16}$ in)	130 mm x 36 mm x 252 mm (5 $^1/_8$ in x 1 $^7/_{16}$ in x 9 $^{15}/_{16}$ in)		
Weight	0.65 kg (1.4 lb)	0.65 kg (1.4 lb)		

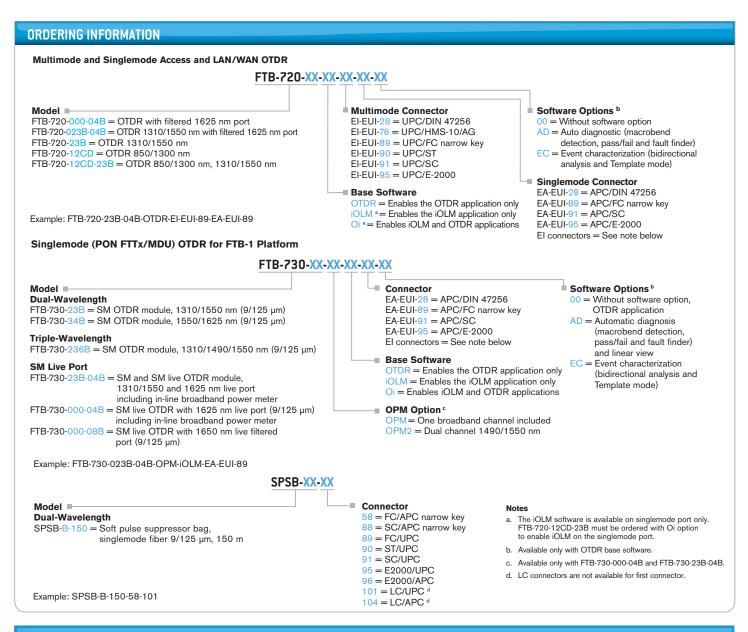
LASER SAFETY

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









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).

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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. EXFÓ 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 v.EXFO.com/recycle. Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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