

Test solutions for submarine networks

Ensuring cost-effective
100G/200G/400G/800G
submarine transmissions

Smarter
network
in sight.

EXFO

Ensuring cost-effective 100G/200G/400G/800G submarine transmissions

Commissioning and turn-up



FTBx-88800—800G multiservice testing

Compact, portable 800G test solution, includes powerful 800G traffic generation and monitoring. It's also the first portable validation tool for 800ZR coherent pluggables (QSFP-DD and OSFP).



FTBx-88480—400G multiservice testing

Compact, multiservice 400G test solution built with 112G electrical lanes and EXFO's modular open transceiver system (OTS).



FTBx-88260—100G multiservice testing

Next-generation advanced multiservice testing for 1G-100G (including 25G/50G), plus ability to handle multiple transceiver types, including 100ZR coherent technology.



FTBx-8870/8880—10G multiservice testing

Versatile 10G multiservice test modules for lab and field applications.



FTBx-5245/5255—optical spectrum analyzers (OSAs)

Highly accurate, easy-to-use OSAs for current and next-generation networks.



FTBx-88260 featuring EXFO's OTS

Open transceiver system (OTS)

The OTS is an evolutionary design enabling any transceiver (now or future) to fit into an EXFO test solution. Inserts to test specific transceiver types eliminate the need to replace entire testing modules and can be interchanged directly in the field. Available on the FTBx-88480 and FTBx-88260 test modules.

Fiber characterization and troubleshooting for submarine networks



FIP-500—fiber inspection scope

Fastest inspection in the industry for both single-fiber and multi-fiber connectors, with the most reliable results. Self-contained, fully automated tool for zero-button testing.



FTBx-750C—metro/longhaul OTDR

High dynamic range combined with high resolution for precise fiber characterization.



FTBx-570—single-ended CD/PMD analyzer

Industry's only solution for fast single-ended CD/PMD testing for full fiber characterization.



Remote fiber testing and monitoring

Remotely operated OTDR at the landing stations for qualification and proactive monitoring of immersed optical cables up 200 km from shore. Powered by iOLM's patented dynamic multipulse technology.

Total link characterization

is an important step that provides a view of the entire link, including all interconnection points, fusion splices and fiber sections. Link characterization, which includes CD, PMD and OTDR tests, also serves as a future reference when performing commissioning and troubleshooting on the same link.

The critical weakness of undersea cables is their vulnerability to damage caused by fishing and vessel anchoring. Constant surveillance of these optical fiber cables requires an **OTDR monitoring solution**. These easy-to-manage units cost-effectively monitor coastal route topologies (festoon style), and also keep you up to date on the status of the fibers and cables.

They also use various messaging channels to alert you of any potential impairment to your most valuable asset.

100G/200G/400G/800G submarine network deployments

All-in-one 100G/200G/400G/800G commissioning,
turn-up and troubleshooting from a single test platform

Scalable, versatile, high-density platform



FTB-4 Pro
platform

+ Flexible, reliable best-in-class transport testing



FTBx-88480—400G multiservice testing



With iOptics, validate a comprehensive range of pluggable transceivers and interface rates, including coherent optics (OSFP, QSFP-DD), QSFP28, QSFP+, SFP28, SFP+, SFP, AOC QSFP28 cables, DAC QSFP-DD, Bidi SFP+ and SFP.

+ Agile, optical spectrum analyzer

FTBx-5245/5255
highly accurate OSAs



LEARN MORE

Submarine network case study:
Hawaiki ushers in a new era of digital communications in the Pacific

Blog post:
Testing submarine cables: why it's a big deal

More about
our test offering for
submarine networks



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