

Test solutions for submarine networks

Ensuring cost-effective
40G/100G/400G submarine
transmission

Smarter
network
in sight.

EXFO

Ensuring cost-effective 40G/100G/400G submarine transmission

Commissioning and turn up



FTBx-88460 - 400G multiservice testing

Compact 400G multiservice test modules for lab and field applications.



FTBx-88260 - 100G multiservice testing

Next-gen advanced multiservice testing for 1G-100G (incl. 25G/50G), plus ability to handle multiple transceiver types



FTBx-8870/8880 - 10G multiservice testing

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



FTBx-5245/5255 - optical spectrum analyzers

Highly accurate, easy-to-use optical spectrum analyzers (OSAs) for current and next-generation networks.



FTBx-88260 featuring EXFO's Open Transceiver System (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-88460 and FTBx-88260 test modules.

Fiber characterization and troubleshooting for submarine networks



FIP-400B - fiber inspection probe

100% automated, one-step inspection probe delivering fast and consistent test results with full reporting capabilities.



FTB-7600E - ultra-long-haul OTDR

The FTB0-7600E OTDR offers a dynamic range of up to 50 dB; this module can test over distances of up to 250 km.



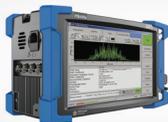
FTB-5700 - single-ended dispersion analyzer

Combined CD and PMD measurement in a highly automated, high-efficiency, single-ended test solution.



FTB-5800 - chromatic dispersion analyzer

Field-ready unit for all chromatic and polarization dispersion testing needs, from verifying the capacity of legacy fiber to upgrading a network to a given rate.



FTB-5500B - PMD analyzer

Patented design: Test through EDFAs. Compliant with TIA-FOTP-124A standard. Testing time under 5 seconds for any PMD range.



NQMSfiber and Fiber Guardian - remote fiber monitoring

Remote fiber characterization, testing, and 24/7 monitoring and alerting functions. Delivers the measurement of fiber, splice and connector aging.

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 (feetoon 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 submarine network deployments

All-in-one 100G commissioning, turn-up and troubleshooting in a single platform

Scalable, versatile, high density platform



FTBx-4 Pro

+ Flexible, reliable best-in-class transport testing



FTBx-88260 - 100G multiservice testing

iOptics

With iOptics, validate any pluggable transceiver from 10M to 400G, covering SFP, SFP+, XFP, CFP, CFP2, CFP4, CFP8, QSFP+, QSFP-DD and QSFP28

+ Agile, optical spectrum analyzer

FTBx-5245/5255 highly accurate OSAs



OTN

FLEXIBILITY

SCALABILITY

CAPEX SAVINGS

LEARN MORE

Submarine network case study:

Hawaiki ushers in a new era of digital communications in the Pacific

[EXFO.com/en/hawaiki-case-study](https://www.exfo.com/en/hawaiki-case-study)

Blog post:

Testing submarine cables: why it's a big deal

[EXFO.com/en/blog-submarine-cables](https://www.exfo.com/en/blog-submarine-cables)

Your EXFO team is here to help.
For more information visit [EXFO.com](https://www.exfo.com).

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