

Article Overview

The FTB-1 OTDR is a portable, high-performance fiber-optic testing platform designed for field technicians to perform comprehensive optical, Ethernet, and multiservice network testing.

Overview

The FTB-1, available in FTB-1 V2 and FTB-1 Pro models, is a compact, handheld system optimized for fast and accurate testing of fiber-optic networks, including PON/FTTx, FTTA, DAS, metro, and enterprise networks . It supports both single- and dual-carrier configurations, with the Pro model capable of high-power dual-carrier operation for simultaneous 100G quad-port testing . Its small form factor, intuitive interface, and powerful processing make it ideal for field deployment.

Key Features

- o High-Resolution OTDR: Provides precise characterization of fiber links, including splitters in PON FTTx applications (up to 1x128 splitters) and metro networks .
- o Live Fiber Troubleshooting: Supports in-service testing with dual-channel PON power meters and live OTDR wavelengths, enabling fault location, link loss measurement, and fiber attenuation analysis .
- o Optical Plug-and-Play Modules: Users can add optical testing modules, such as high-level power meters (up to 27 dBm), without software updates .
- o Comprehensive Network Testing: Supports Ethernet, OTN, SONET/SDH, Fibre Channel, GigE/10 GigE, CPRI/OBSAI, and SyncE/1588 PTP testing up to 100G .
- o Fiber Connector Inspection: Integrated inspection tools ensure connectors are clean and certified before OTDR testing, reducing errors and troubleshooting time .
- o Software Test Tools: Platform-based software, including EXpert VoIP, allows testing of voice-over-IP and other multiservice applications directly from the device .

Applications

- o Access Networks: Ideal for PON FTTx, FTTA, and distributed antenna systems, including splitter characterization and in-service troubleshooting .
- o Enterprise and Data Center Networks: Certification and troubleshooting of fiber links, including metro and long-haul networks .
- o Hybrid Fiber-Coaxial (HFC) Networks: High-power optical measurements for HFC or high-power signal environments .

Performance and Advantages



Ftb1 Optical Time Domain Reflectometer

- o High Dynamic Range and Resolution: Ensures accurate fiber characterization over long distances and complex network topologies .
- o Portable and Field-Ready: Lightweight design with extended standalone operation times, suitable for on-site testing .
- o All-in-One Solution: Combines OTDR, iOLM, Ethernet, and multiservice testing in a single platform, streamlining field operations and reducing the need for multiple devices . The FTB-1 OTDR is widely regarded as a versatile, high-precision tool for fiber-optic network deployment, maintenance, and troubleshooting, providing field technicians with a reliable and efficient solution for both legacy and next-generation networks .

The FTB-7600E from EXFO Inc. is a Optical Time Domain Reflectometer (OTDR) with OTDR Measurement Time 60 minutes, Event

EXFO FTB-1-730B-M1 is a high-performance handheld single-mode optical time

Built on EXFO's industry-acclaimed OTDR expertise, the new FTB-Lite series ensures always-on, mobile, and cloud-connected

Empowering frontline technicians with a truly fast and powerful multitechnology test

Empowering frontline technicians with a truly fast and powerful multitechnology test platform. Single- or dual-carrier configuration

An optical time-domain reflectometer is an instrument used to measure spatially resolved reflectivities and

Optical Time Domain Reflectometer EXFO FTB-1-720 update to FTB1 V2 Modular 1310/1550nm EXFO OTDR fiber testing otdr

OTDRS OTDR, short for optical time-domain reflectometer, is an optoelectronic instrument used to characterize an optical fiber. It

Reflectometer. ToolBoom Online Store - measuring & soldering equipment, ultrasonic cleaners, network service equipment, fiber

FTTx/MDU Fiber Network Testing The perfect tool for field technicians who need to seamlessly characterize splitters in passive

1 Introducing the OTDR joined by splices and connectors. The optical time domain reflectometer (OTDR) provides an inside view of



Ftb1 Optical Time Domain Reflectometer

Thanks to its small format, ultra-powerful processing and highly intuitive interface, the FTB-1 V2 is optimized to allow field technicians

EXFO has launched the FTB-740C-CWDM, a tunable optical time domain reflectometer (OTDR) module designed for its handheld

The FTB-1 version 2, available in a standard (FTB-1 V2) or Pro (FTB-1 Pro) model, is a portable system designed for fast and

Available with FTB-730-000-04B and FTB-730-23B-04B only. The features available in iOLM Advanced and Pro depend on the

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