

EXFO FTB-1V2 with FTB-735C

EXFO FTB-1V2 with FTB-720C Module User Manual

Model: FTB-1V2 with FTB-735C | Brand: EXFO

1. INTRODUCTION AND OVERVIEW

The EXFO FTB-1V2 is a compact, powerful, and modular test platform designed for efficient field testing in various network environments. Equipped with the FTB-720C module, it offers advanced capabilities for optical network installation and maintenance.

Key features include:

- **Touchscreen Interface:** A 7-inch (178 mm) color TFT touchscreen with 800 x 480 resolution for intuitive operation.
- **Connectivity:** Two USB 2.0 ports for data transfer and peripheral connections.
- **Rugged Design:** Engineered for durability, providing reliable service in challenging field conditions.
- **Portability:** Compact and lightweight (less than 800g / 2 lbs.), easily held with one hand.
- **Modular Platform:** Supports various modules, ensuring adaptability and maximizing return on investment.
- **Specialized Applications:** Includes Optical Fault Locator for short fibers, Optical Channel Analyzer for CWDM networks, Automated Ethernet Tester for 10/100/1000MB Ethernet, and Micro OTDR for optical network installation and maintenance.



Figure 1.1: Front view of the EXFO FTB-1V2 unit, showing the touchscreen display with an important message regarding battery charging upon receipt to ensure optimal performance and shelf life. It also highlights the iOLM (Intelligent Optical Link Mapper) application.

2. SETUP AND INITIAL USE

2.1 Unpacking and Inspection

Carefully unpack the EXFO FTB-1V2 unit and its accessories. Inspect all components for any signs of damage during transit. If any damage is found, contact your supplier immediately.

2.2 Battery Charging

Upon receipt of the unit, it is crucial to charge the Li-ion battery (batteries) to ensure optimum performance and shelf life. Connect the provided power adapter to the unit and a power outlet. Allow the unit to charge fully before first use. In general, Li-ion batteries should not be left depleted for extended periods of time.



Figure 2.1: A collection of EXFO FTB-1V2 units, emphasizing the consistent design and the prominent battery charging reminder on their screens, which is vital for initial setup.

2.3 Powering On/Off

To power on the unit, press and hold the power button located on the device. The touchscreen will illuminate, and the operating system will load. To power off, press and hold the power button again and follow the on-screen prompts to shut down the system safely.

2.4 Module Installation (if applicable)

The FTB-1V2 is a modular platform. If your unit requires module installation (e.g., FTB-720C), refer to the specific module's guide for detailed instructions. Ensure the unit is powered off before installing or removing any modules.



Figure 2.2: Close-up view of the EXFO FTB-1V2, highlighting the model designation "FTB-1" and the EXFO brand logo, indicating the device's identity.



Figure 2.3: Side view of the EXFO FTB-1V2, illustrating the various connectivity ports such as USB (including USB 3.0), Ethernet, and other module-specific interfaces, essential for connecting peripherals and network cables.

3. OPERATING THE FTB-1V2

3.1 Navigating the Touchscreen Interface

The FTB-1V2 features an intuitive touchscreen interface. Use your finger or a stylus to tap icons, select options, and input data. The main screen typically displays available applications and system settings.

3.2 Using Measurement Applications

The unit supports various measurement applications depending on the installed module. Common applications include:

- **Optical Fault Locator (OFL):** Ideal for short fibers, FTTx drop cables, MDUs, COs, and wireless premises.
- **Optical Channel Analyzer (OCA):** Specialized for installation and maintenance of CWDM networks.
- **Automated Ethernet Tester:** For installation and optimization of 10/100/1000MB Ethernet networks.

- **Micro OTDR (μ OTDR):** A full-featured OTDR for optical network installation and maintenance in a compact package.

Select the desired application from the main menu. Follow the on-screen prompts to configure test parameters, initiate measurements, and view results. Detailed instructions for each application are typically found within the application's help section or a dedicated module manual.



Figure 3.1: The EXFO FTB-1V2 screen showing an Optical Time-Domain Reflectometer (OTDR) trace graph, which is used to characterize optical fibers. The graph displays signal loss over distance, indicating splices, connectors, and fiber breaks.



Figure 3.2: Top-down view of the EXFO FTB-1V2, providing a clear perspective of the main display and the top panel where modular components are inserted, emphasizing its adaptable design.

4. MAINTENANCE

4.1 Cleaning the Unit

To clean the exterior of the unit, use a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the casing or screen. For the touchscreen, use a screen-specific cleaning solution and a microfiber cloth.

4.2 Battery Care

To prolong battery life, avoid fully discharging the Li-ion battery frequently. If the unit will be stored for an extended period, ensure the battery is charged to approximately 50-70% before storage. Store the unit in a cool, dry place.

4.3 Optical Port Cleaning

For modules with optical ports, proper cleaning is critical for accurate measurements. Always use approved fiber optic cleaning tools and procedures. Refer to the module's specific documentation for detailed cleaning instructions for optical connectors.



Figure 4.1: Rear view of the EXFO FTB-1V2, displaying important product labels including the serial number, model information (FTB-1V2), manufacturing date, and regulatory compliance marks (CE, CMIT ID), which are crucial for identification and service.

5. TROUBLESHOOTING

This section provides general troubleshooting tips. For specific issues or complex problems, refer to the detailed troubleshooting guide in the full product manual or contact EXFO technical support.

- **Unit not powering on:** Ensure the battery is charged. Connect the power adapter and try again. If the issue

persists, the battery or power circuit may require service.

- **Touchscreen unresponsive:** Try restarting the unit. If the screen remains unresponsive, a hard reset might be necessary (refer to the full manual for instructions).
- **Inaccurate measurements:** Check that optical ports and connectors are clean. Verify that the correct module is installed and properly calibrated. Ensure test parameters are set correctly for the fiber type and application.
- **Software issues:** Try restarting the application or the unit. Ensure the unit's software and module firmware are up to date.

6. SPECIFICATIONS

Feature	Detail
Display	Touchscreen, color, 800 x 480 TFT, 178 mm (7 in)
USB Ports	Two USB 2.0 ports
Weight	Less than 800g (2 lbs.)
Product Dimensions	19.29 x 11.42 x 15.35 inches
Item Model Number	FTB-1V2 with FTB-735C (Note: Product title mentions FTB-720C, but specifications list FTB-735C. Please verify module compatibility.)
Manufacturer	EXFO
Country of Origin	Canada
First Available Date	November 3, 2017



Figure 6.1: The EXFO branded carrying case, designed to protect and transport the FTB-1V2 unit and its accessories, highlighting the



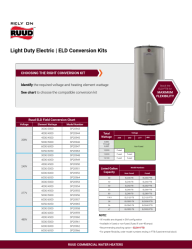
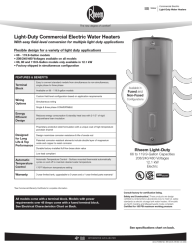
7. WARRANTY AND SUPPORT

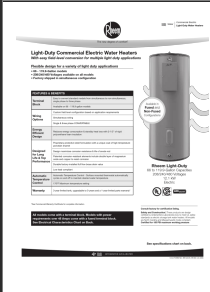
For detailed information regarding product warranty, technical support, service, and repairs, please refer to the official EXFO website or contact EXFO customer service directly. Keep your purchase receipt and serial number (found on the back of the unit, see Figure 4.1) readily available when contacting support.

EXFO Official Website: www.exfo.com

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Product specifications are subject to change without notice.

Related Documents - FTB-1V2 with FTB-735C

	<p>EXFO FTB-7000 Series OTDR Modules: Powerful Network Testing Solutions</p> <p>Explore the EXFO FTB-7000 Series OTDR modules, designed for comprehensive network testing including FTTx, metro, long-haul, and access applications. Featuring high dynamic range, short dead zones, and advanced software.</p>
	<p>Viribus 7-Speed Adult Tricycle User Manual - Assembly and Maintenance Guide</p> <p>Comprehensive user manual for the Viribus 7-Speed Adult Tricycle, covering assembly instructions, safety guidelines, and maintenance tips for optimal use and longevity.</p>
	<p>Ruud Light Duty Electric ELD Conversion Kits Selection Guide</p> <p>This guide from Ruud helps select the appropriate Light Duty Electric (ELD) conversion kit for water heaters. It details voltage, element wattage, gallon capacity, and model numbers for various configurations.</p>
	<p>Rheem Light-Duty Commercial Electric Water Heaters 66-119.9 Gallon Models</p> <p>Explore Rheem's Light-Duty Commercial Electric Water Heaters, featuring flexible design for light duty applications. Available in 66-119.9 gallon capacities with 208/240/480 voltage and 12.1 kW. Discover features, specifications, and benefits.</p>



[Rheem Light-Duty Commercial Electric Water Heaters - Product Overview & Specifications](#)
Detailed product information for Rheem Light-Duty Commercial Electric Water Heaters, including features, benefits, dimensional data, electrical characteristics, and recovery capacities for 66, 80, and 119.9-gallon models.



[FTB-500](#) | [EXFO](#)
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