

Fluke Networks CFP2-100-Q

Fluke Networks CertiFiber Pro QUAD Optical Loss Test Set User Manual

Model: CFP2-100-Q

1. INTRODUCTION AND OVERVIEW

The Fluke Networks CertiFiber Pro QUAD Optical Loss Test Set (OLTS) is designed to improve the efficiency and accuracy of fiber optics certification and inspection. Built on the Versiv platform, this instrument simplifies the setup process, minimizes errors, and accelerates troubleshooting for both singlemode and multimode fiber installations.

Key features include:

- Fast certification: Tests two fibers at two wavelengths in approximately three seconds.
- Taptive User Interface: Streamlines setup and operation, reducing potential errors.
- Encircled Flux Compliance: Meets ANSI/TIA and ISO/IEC requirements for multimode testing.
- Tier 1 (Basic) / Tier 2 (Extended) Testing: Provides merged testing and reporting when paired with an OptiFiber Pro module.
- Automated PASS/FAIL Analysis: Delivers immediate results against industry standards or custom limits.
- Double-Ended Fiber Optic Inspection: Inspects and certifies connector end-faces at both ends of a fiber link rapidly.
- ProjX Management System: Ensures consistent job completion and efficient project management.

2. UNPACKING AND KIT CONTENTS

Carefully unpack all components and verify the contents against the list below. If any items are missing or damaged, contact Fluke Networks technical support.



This image displays the full contents of the CertiFiber Pro QUAD OLTS kit, including the main Versiv unit, remote unit, two CertiFiber Pro Quad OLTS modules, various test reference cords (TRCs), adapters, power adapters, USB cable, software CD, and carrying cases.

The CFP2-100-Q kit typically includes:

- Versiv Mainframe & Remote units
- 2 CertiFiber Pro Quad OLTS modules
- SC/LC EF-compliant Multimode Test Reference Cord (TRC) Kit (50 μ m)
- SC/LC Singlemode Test Reference Cord (TRC) Kit
- 2 LC/LC Simplex Adapters
- Straps & Carry Cases
- USB Cable
- Versiv Open Source Software CD
- AC Chargers
- Wi-Fi functionality
- Calibration certificate

3. SETUP

Before initial use, ensure both the Versiv Mainframe and Remote units are fully charged using the provided AC chargers. Connect the CertiFiber Pro Quad OLTS modules to the Versiv units as instructed in the quick start guide.

1. **Charge Batteries:** Connect the AC chargers to both the Mainframe and Remote units. Allow sufficient time for a full charge.
2. **Attach Modules:** Securely attach the CertiFiber Pro Quad OLTS modules to the Versiv Mainframe and Remote units.
3. **Power On:** Press the power button on each unit.
4. **Initial Configuration:** Follow the on-screen prompts of the Taptive user interface to set language, date, time, and other initial settings.
5. **Reference Setting:** Utilize the built-in reference wizard to establish a correct reference, which is crucial for accurate loss measurements and to prevent negative loss errors.

4. OPERATING INSTRUCTIONS

The CertiFiber Pro OLTS simplifies fiber optic testing through its intuitive Taptive user interface. The device supports both singlemode and multimode fiber testing, providing comprehensive Tier 1 and Tier 2 certification capabilities.

4.1 Performing an Optical Loss Test

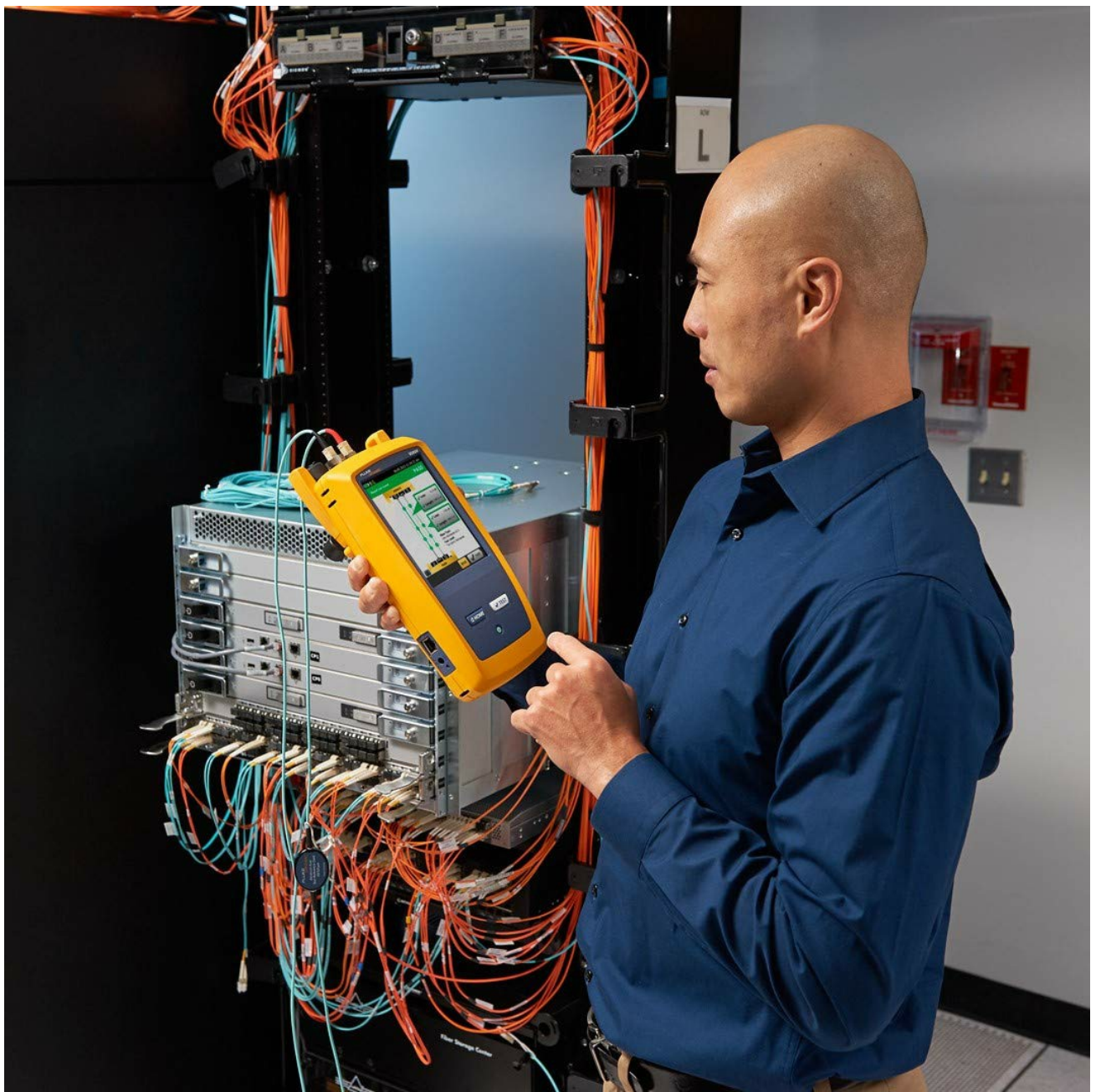
1. **Select Test Type:** From the home screen, select the appropriate test type (e.g., CertiFiber Pro).
2. **Configure Test Settings:** Use the Taptive interface to specify fiber type (singlemode/multimode), test limits, and other parameters.
3. **Connect Test Reference Cords (TRCs):** Connect the appropriate TRCs to the CertiFiber Pro modules on both the Mainframe and Remote units. Ensure connectors are clean.
4. **Set Reference:** Follow the on-screen wizard to set the reference. This step is critical for accurate measurements.
5. **Connect to Fiber Under Test:** Disconnect the TRCs from each other and connect them to the fiber link you wish to test.
6. **Initiate Test:** Press the 'TEST' button on the unit. The device will automatically perform the loss measurement.
7. **Review Results:** The screen will display a clear PASS/FAIL indication along with detailed measurements for loss and length.



The CertiFiber Pro unit's display shows a 'PASS' result for a fiber optic link, indicating successful certification. The screen provides details such as loss, length, fiber type (OM3 Multimode 50), and test limits (IEC 61280-4-1).

4.2 Fiber Optic Inspection

The CertiFiber Pro offers double-ended fiber optic inspection, allowing for rapid inspection and certification of connector end-faces. This capability provides automated PASS/FAIL certification, simplifying the inspection process.



A technician is actively using the CertiFiber Pro OLTS to test fiber optic connections within a server rack. The device is connected to the fiber infrastructure, and the technician is interacting with its touchscreen interface.



A technician wearing safety glasses and a hard hat operates the CertiFiber Pro OLTS in an industrial setting, possibly a telecommunications room or control panel area, performing fiber optic certification.

4.3 Data Management and Reporting

Test results can be analyzed and professional reports generated using the LinkWare Management Software. Connect the Versiv unit to a computer via USB to transfer data.

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your CertiFiber Pro OLTS.

- **Cleaning Connectors:** Always clean fiber optic connectors and ports before making connections. Use approved fiber cleaning tools and methods to prevent contamination, which can lead to inaccurate readings and damage.
- **Battery Care:** Recharge batteries regularly. For long-term storage, ensure batteries are partially charged (around 50%) and store the unit in a cool, dry place.
- **Software Updates:** Periodically check the Fluke Networks website for firmware and software updates for the Versiv platform and LinkWare software to ensure optimal performance and access to new features.

- **Calibration:** Adhere to the recommended calibration schedule provided by Fluke Networks to maintain measurement accuracy.

6. TROUBLESHOOTING

The Taptive user interface is designed to guide users through common issues. If you encounter problems, consider the following:

- **No Power:** Ensure batteries are charged and correctly inserted. Verify AC adapter connection if charging.
- **Inaccurate Readings / Negative Loss:** Re-run the reference setting wizard. Ensure all fiber connections are clean and properly seated. Check for damaged Test Reference Cords (TRCs).
- **Connection Issues:** Verify that modules are securely attached to the Versiv units. Check all fiber optic cable connections for proper seating and cleanliness.
- **Software Problems:** Restart the unit. If issues persist, consider performing a factory reset (refer to the on-screen menu or full user manual) or reinstalling LinkWare software.
- **Error Messages:** Consult the on-screen help or the comprehensive user manual for specific error code explanations and resolutions.



Two technicians are shown in a data center environment. One technician holds the CertiFiber Pro OLTS device, while the other reviews information on a tablet, likely analyzing test results or planning network certification tasks.

7. SPECIFICATIONS

Specification	Detail
Product Dimensions	17 x 16 x 12 inches
Item Weight	14.67 Pounds

Specification	Detail
Batteries	2 Lithium Ion batteries required (included)
Power Source	Corded Electric
Manufacturer	Fluke Networks
Style	CFP2-100-Q: CertiFiber Pro QUAD OLTS
Color	Yellow
Date First Available	October 9, 2019

8. SUPPORT AND WARRANTY

For technical assistance, product inquiries, or troubleshooting support, please contact Fluke Networks Technical Support.

A close-up photograph of a man with short brown hair and a light beard, smiling and wearing a black headset with a microphone. He is wearing a light blue button-down shirt. The background is a soft, out-of-focus grey.

Technical Support

1-800-28-FLUKE (1-800-283-5853)

8am-5pm Pacific Time

Email: amazon.support@flukenetworks.com

This image provides contact details for Fluke Networks Technical Support, including a phone number (1-800-28-FLUKE) and email address (amazon.support@flukenetworks.com), available from 8 am to 5 pm Pacific Time.

Phone: 1-800-28-FLUKE (1-800-283-5853)

Email: amazon.support@flukenetworks.com

Operating Hours: 8 am - 5 pm Pacific Time

For detailed warranty information, please refer to the official Fluke Networks website or the warranty documentation included with your product. Warranty terms and conditions may vary by region and product.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question