

## Datasheet: CertiFiber®Pro Optical Loss Test Set

The CertiFiber® Pro is a Tier 1 (basic) fiber certification solution and part of the Versiv™ Cabling Certification product family. The Versiv line also includes copper certification and OTDR analysis modules. Versiv is designed around the revolutionary ProjX™ management system and Taptive™ user interface. ProjX helps ensure jobs are done correctly the first time, thus reducing rework. With the intuitive Taptive user interface, instrument set-up and operation are so simple, even operators with limited cabling skills can successfully test and troubleshoot a system. Analysis of measurement data and professional test reports are easy with the familiar LinkWare™ PC management software. Upload and consolidate fiber and copper certification test results from remote sites and manage projects from smart devices using the LinkWare Live service.

**Versiv makes you money every time you use it.**



Installing a high performance fiber optic cabling system starts with systems design and ends with systems acceptance. Certifying cabling to industry performance standards is a core element of the process. The faster it goes, the more profitable you'll be. Unfortunately, there are a lot of things that slow the process down – setting the tester up incorrectly, testing to the wrong limits, dirty fiber endfaces causing testing failures, waiting for lead technicians to analyze or troubleshoot failures, misinterpretation of results, and test reports that customers can't understand.

The **CertiFiber Pro** Optical Loss Test Set (OLTS) helps cabling professionals accomplish more than ever. It's all about accurate, error-free certification, making jobs easier to manage and certifying fiber optic cabling to industry standards, faster. **CertiFiber Pro** OLTS complies with all applicable cabling standards, which call out the new **Encircled Flux** launch condition requirements for optical sources. It's not just for the expert technicians and Project Managers. Individuals of various skill levels can improve the set-up, operation, test reporting, and simultaneously manage diverse projects.



### Unique features:

- Versiv enables users to accomplish more than ever with a cable tester, accelerating every step of the testing process
- ProjX management system eases tasks from initial set-up of a job to system acceptance. It eliminates redundant steps, and ensures that all tests are completed correctly the first time, and every time
- Taptive user interface puts advanced data analysis and easy set-up and operation at the fingertips of technicians of all skill levels
- LinkWare PC management software provides unmatched analysis of test results and professional test reports
- LinkWare Live allows you to manage results and the testing process from your smart devices

### Performance:

- Three-second Autotest optical loss measurement of two fibers at two wavelengths with distance measurement and optical loss budget calculation
- Provides automatic Pass/Fail analysis to industry standards or custom test limits
- Identifies incorrect test procedures resulting in negative loss readings
- Double ended Pass/Fail certification of fiber optic connector endfaces
- Graphical indication of problem areas on fiber endfaces due to contamination, pits, chips and scratches
- Interchangeable power meter adapters available for all typical connector types (SC, ST, LC and FC) to enable the most accurate 1-jumper reference method
- Built-in visual fault locator for basic troubleshooting and polarity determination
- Dual wavelength measurement capability on a single fiber allows the tester to be used in applications that require only one fiber link
- Compliant with TIA-526-14-B and IEC 61280-4-1 Encircled Flux requirements with no additional equipment or procedures
- Integrated Wi-Fi allows you to easily upload results to LinkWare Live



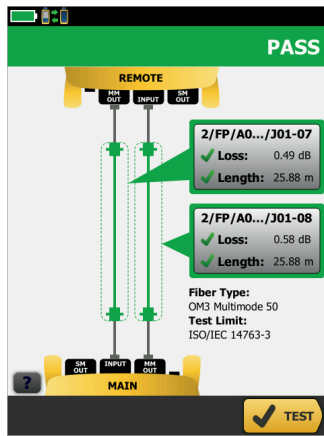
**Standards:**

- Allows combined OLTS Tier 1 (basic), OTDR Tier 2 (extended) certification, end-face inspection and reporting when paired with OptiFiber™ Pro OTDR
- Set reference wizard verifies test reference cords (TRCs) per ISO/IEC 14763-3 and eliminates negative loss errors
- Encircled Flux compliant optical launch conditions as required by ANSI/TIA and ISO/IEC standards for testing multimode fiber
- **Certify fiber optic endfaces** to industry standards – IEC 61300-3-35

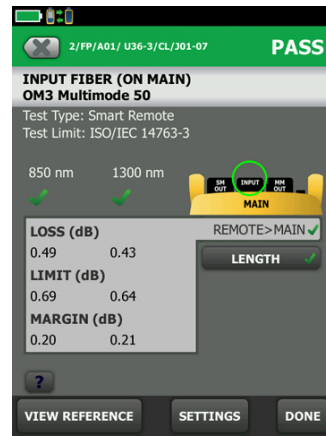
**Detailed View of Fiber Loss Results**

View the results of each fiber tested at the same time and the Pass/Fail status on the test results screen. Easily identify the fiber type, test limits, loss and which fiber correlates to each result. All good results are highlighted with a green icon, any faulty events are highlighted with red icons and fibers are identified as output or input to facilitate quick identification and corrective action. The Taptive user interface also makes the results screen a powerful tool with a detailed window which can be touched to drill down and see detailed results.

The screen below shows margin and limit values in the window. Simply tap the screen to drill into specific results as shown in second image.



Complete data is displayed with a test result. The dotted line shows what's included in the measurement. Detail windows show the results for each fiber tested.



Detail shows margin and allowable limits for the fiber at two wavelengths.

**Environmental Specifications**

| Title   | Requirement  |
|---|--|
| Operating Temperature                                   | 0 °F to 113° F (-18° C to 45° C)                   |
| Storage Temperature                                     | -22° F to 140° F (-30° C to +60° C)                |
| Operating Relative Humidity (% RH without condensation) | 0% to 90%, 32° F to 95° F (0° C to 35° C)          |
|   | 0% to 70%, 95° F to 113° F (35° C to 45° C)        |
| Vibration   | Random, 2 g, 5 Hz-500 Hz                           |
| Shock   | 1 m drop test with and without module and adapters |
| Safety  | CSA C22.2 No. 1010.1: 1992                         |
|   | EN 61010-1 1st Edition + Amendments 1, 2           |
| Pollution Degree  | 2  |
| Altitude  | Operating: 4,000 m; storage: 12,000 m              |
| EMC   | EN 61326-1   |



**Ordering Information**

**CertiFiber Pro Wireless models**

| Model           | Description   |
|-----------------|---|
| CFP2-100-QI     | CertiFiber Pro Quad OLTS V2 kit with double ended inspection and Wi-Fi                        |
| CFP2-100-QI/GLD | CertiFiber Pro Quad OLTS V2 kit with double ended inspection, Wi-Fi and 1 YR Gold Support     |
| OFP2-CFP-QI     | OptiFiber Pro, Certifiber Pro Quad V2 with inspection and Wi-Fi                               |
| CFP2-100-Q      | CertiFiber Pro Quad OLTS V2 kit with Wi-Fi  |
| CFP2-100-Q/GLD  | CertiFiber Pro Quad OLTS V2 kit with Wi-Fi and 1 YR GOLD SUPPORT                              |
| CFP2-100-M      | CertiFiber Pro Multimode OLTS V2 with Wi-Fi   |
| CFP2-100-S      | CertiFiber Pro Singlemode OLTS V2 with Wi-Fi  |
| CFP2-Q-ADD-R    | CertiFiber Pro Quad OLTS add-on kit with V2 remote (not compatible with original Versiv main) |

### CertiFiber Pro Non-Wireless models

| Model         | Description                           |
|---------------|---------------------------------------|
| CFP2-100-Q-NW | CertiFiber Pro Quad OLTS V2 kit       |
| CFP2-100-M-NW | CertiFiber Pro Multimode OLTS V2 kit  |
| CFP2-100-S-NW | CertiFiber Pro Singlemode OLTS V2 kit |

### Accessories

| Accessories        | Description   |
|--------------------|---|
| CFP-MM-ADD         | CertiFiber Pro multimode modules add on kit   |
| CFP-SM-ADD         | CertiFiber Pro singlemode modules add on kit  |
| CFP-Q-ADD          | Certifiber Pro Quad Add On Kit (modules and SC/LC TRCs)   |
| CFP2-Q-ADD-R       | Certifiber Pro Quad Add On Kit with V2 Remote (modules and SC/LC TRCs)  |
| OPF-Q-ADD          | Optifiber Pro Quad Add On Kit (module and SC/LC launch cords)   |
| SRC-9-SCLC-KIT     | Singlemode test reference cord kit (2m) for testing LC terminated fibers (2 SC/LC, 2 LC/LC)                                       |
| SRC-9-SCSC-KIT     | Singlemode test reference cord kit (2m) for testing SC terminated fibers (4 SC/SC)  |
| MRC-50EFC-SCLCKIT  | Multimode Encircled Flux compliant test reference cord kit for testing 50um LC terminated fibers (2 SC/LC, 2 LC/LC)               |
| MRC-50EFC-SCSCKIT  | Multimode Encircled Flux compliant test reference cord kit for testing 62.5um LC terminated fibers (2 SC/LC, 2 LC/LC)             |
| MRC-625EFC-SCSCKIT | Multimode Encircled Flux compliant test reference cord kit for testing 62.5um SC terminated fibers (4 SC/SC)                      |
| FI-1000-KIT        | A USB Fiber Inspection Video probe for Versiv products plus tiip set (LC, FC/SC bulkhead, 1.25 and 2.5mm universal tips in a box) |

### CertiFiber Gold Support models

| Model           | Description                                      |
|-----------------|--|
| GLD-CFP-100-QI  | 1 year Gold Support, CFP2-100-QI or CFP-100-QI   |
| GLD3-CFP-100-QI | 3 year Gold Support, CFP2-100-QI or CFP-100-QI   |
| GLD-CFP-100-Q   | 1 year Gold Support, CFP2-100-Q or CFP-100-Q     |
| GLD3-CFP-100-Q  | 3 year Gold Support, CFP2-100-Q or CFP-100-Q     |
| GLD-CFP-100-M   | 1 year Gold Support, CFP2-100-M or CFP-100-M     |
| GLD3-CFP-100-M  | 3 year Gold Support, CFP2-100-M or CFP-100-M     |
| GLD-CFP-100-S   | 1 year Gold Support, CFP2-100-S or CFP-100-S     |
| GLD3-CFP-100-S  | 3 year Gold Support, CFP2-100-S or CFP-100-S     |
| GLD-CFP-Q-ADD-R | 1 year Gold Support, CFP2-Q-ADD-R or CFP-Q-ADD-R |

For a complete listing of Certifiber Pro models and accessories, visit [www.flukenetworks.com/certifiberpro](http://www.flukenetworks.com/certifiberpro).

Configure CertiFiber Pro to your exact requirements by visitng [www.flukenetworks.com/versiv-config](http://www.flukenetworks.com/versiv-config).