# FLUKE networks™

# CertiFiber®

## Advanced certification for multimode fiber networks

*Certification of fiber optic links requires the right test tools, detailed knowledge of installation and application standards, and the ability to document your test results. Fluke Networks' CertiFiber meets this challenge with the industry's first dedicated handheld tester for certification of multi-mode networks. CertiFiber makes fiber certification fast. You press one-button and CertiFiber measures fiber length and optical loss on two fibers at two wavelengths, computes the optical loss budget, compares the results to the selected industry standard and provides an instant PASS or FAIL indication. Save, then upload, manage and report results with free Scanlink Tools PC software. Look to CertiFiber to test more fibers in less time.*

## Features

- Tests two multimode fibers at two wavelengths in a single automated Autotest operation

- Measures optical power and loss at 850 nm and 1300 nm using LED dual-wavelength sources

- Provides clear PASS or FAIL indication with automated results analysis

- Enables bi-directional testing without swapping main and remote units

- Saves 1000 Autotest results under customized job and circuit ID names.

- Features a standards library for easy set-up

- Incorporates interchangeable connector adapters for simple network connection

- Communicates with free Scanlink™ Tools reporting software

- Is ruggedly built for demanding field use

## Autotest is the key

CertiFiber's Autotest feature takes the work out of fiber certification. When you press the Autotest button, you set in motion a sequence of tasks – loss measurement of two fibers at two wavelengths, length measurement, optical link budget calculation, and PASS/FIAL analysis. The result is a clear PASS or FAIL for every fiber tested.

## Save time and increase productivity

A CertiFiber kit includes a main and remote unit where each unit incorporates a dual wavelength 850/1300 nm LED source and an optical power meter. This enables testing of a Tx/Rx fiber pair at two wavelengths in a single Autotest-initiated operation. Bi-directional testing is simple too. In bi-directional mode, simply reverse Tx/Rx fibers at the patch panel or outlet when prompted and CertiFiber measures each fiber at both wavelengths in both directions – without having to swap sources and meters as with a traditional test set. CertiFiber cuts your test time by 75% over traditional techniques.

CertiFiber connects easily to your network. Interchangeable connector adapters permit simple network connection and straightforward reference power measurement. Interchangeable connector adapters are available in the most popular connector styles.

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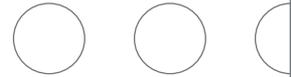
## Reporting made simple

Most often your customer or management requires a test report. With CertiFiber you can easily produce professional certification reports showing the PASS/FAIL status of every fiber in the network. CertiFiber stores 1000 Autotest results in memory. Quickly upload test results from CertiFiber to your PC using the companion Scanlink Tools software that comes with your CertiFiber. Manage test results, print professional reports or export data into popular spread-sheet formats.

## Free Reference Guide

Register your CertiFiber and receive a free *Fiber Optic Reference Guide*. This practical guide to the latest in fiber optic technology covers all of the funda-mentals of fiber optics, including cables, connectors, network design, installation and testing. Partner with Fluke Networks for solutions to grow your business.

## Fluke Networks delivers Network SuperVision

Fluke Networks is committed to provid-ing innovative Network SuperVision Solutions.™ From innovative technology and tools that comply with standards, to responsive service and training to help you grow your business, Fluke Networks will help you keep pace in today's fast moving, networked world by keeping our eye on the future for you. That's Network SuperVision. That's Fluke Networks' promise to you.

## Specifications

| General specifications | | |
|---|---|---|
| Temperature range | Operating: 0° to +45° C | Storage: -20° to +60° C |
| Humidity range | Operating: 10 to 90% RH, non-condensing | Storage: 0 to 95% RH, non-condensing |
| Certifications | CE, CSA | |
| Dimensions main | 8 x 18 x 4 cm (3.1 x 7.1 x 1.6 in) | |
| Dimensions remote | 8 x 18 x 4 cm (3.1 x 7.1 x 1.6 in) | |
| Weight main | 0.42 kg (0.93 lb) | |
| Weight remote | 0.38 kg (0.84 lb) | |
| **Optical transmitter** | | |
| Connector | ST | |
| Emitter type | LED | |
| Emitter wavelengths | 850 and 1300 nm | |
| Power output (minimum) | -20 dBm | |
| Power output stability (8 hours) | +/- 0.25 dB at 23 C | |
| **Optical receiver** | | |
| Power measurement accuracy | +/- 0.25 dB at 23 C (45% to 75% RH, -20 dBm) | |
| Connector | Interchangeable Connector Adapter: ST, SC, FC, universal | |
| Detector type | InGaAs | |
| Calibrated wavelengths | 850 nm, 1300 nm | |
| Power measurement linearity | +/- 0.25 dB at 23 C | |
| Resolution | 0.01 dB/dBm | |
| Length measurement resolution | 1 m (3 ft) | |
| Length measurement | 2000 m (6560 ft) | |

## Ordering Information

| Model | Description |
|---|---|
| 8240-04 | **CertiFiber Kit**<br>Uses LED light sources at 850 nm and 1300 nm.<br>Supplied with ST interchangeable connector adapters. |

**N E T W O R K  S U P E R V I S I O N**