FLUKE networks

SimpliFiber®

Let Fluke Networks simplify fiber testing with SimpliFiber

The only way to accurately test and verify the performance of your fiber optic network is with test equipment designed for the job. That's where Fluke Networks' SimpliFiber family of affordable and easy-to-use fiber verification test solutions comes in. Fluke Networks' SimpliFiber Meter and Source solutions work together to measure multimode and singlemode fiber loss. Save time and prevent errors with built-in results storage and automatic wavelength synchronization. Upload, manage and report results with free LinkWare™ Software. Look to SimpliFiber to make fiber verification simple.

Features

- Tests multimode and singlemode fiber
- Measures optical power and loss at 850 nm and 1300 nm using the 850/1300 Source and Meter
- Measures optical power and loss at 1310 nm and 1550 nm using the optional 1310 Source and 1550 Source
- Auto-senses source wavelength
- Saves 100 test results
- Incorporates interchangeable connector adapters for simple network connection
- Ruggedly built for demanding field use
- LinkWare Software documents, reports and manages all test data

A family approach

SimpliFiber is a family of products that allows you to add new units as your needs change. The basic SimpliFiber kit consists of two units: the SimpliFiber 850/1300 Source and the SimpliFiber Meter.

The dual wavelength 850/1300 Source incorporates an 850 nm LED and a 1300 nm LED, perfect for multimode fiber testing.

The SimpliFiber Meter is calibrated for accuracy at 850 nm and 1300 nm, as well as at 1310 nm and 1550 nm. The meter features the ability to save a reference power level allowing a direct display of fiber loss. The meter has an intuitive four-button panel, a large LCD display screen and a serial port. The meter's interchangeable connector adapter permits simple network connection and straightforward reference power measurement. Interchangeable connector adapters are available in the most popular connector styles.

Singlemode fiber, too

You can add an optional SimpliFiber 1310 Source and an optional 1550 Source to your basic kit, as your testing needs evolve. These laser sources are ideal for singlemode fiber testing. All sources are compatible with the SimpliFiber meter.

User-friendly

The SimpliFiber Sources and Meters are engineered to work together. The automatic wavelength-sensing feature of the meter identifies the source wavelength and sets itself appropriately so you don't have to. This simplifies multi-wavelength tests and prevents costly measurement errors.

The compact SimpliFiber sources and meters are durable and rugged. They feature textured, impact-resistant covers and an ergonomic shape for a comfortable and secure grip. An integrated cover protects the fiber ports. Long-battery life assures hours of trouble-free operation.

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	15.3 x 8.4 x 3.2 cm (6.0 x 3.5 x 1.3 in)	
Weight	0.18 kg (0.4 lb)	
Optical Sources		
Connector	ST or SC (varies by model)	
Emitter type	850/1300 Source: LEDs 1310 Source: laser 1550 Source: laser	
Emitter wavelengths	850/1300 Source: 850 and 1300 nm 1310 Source: 1310 nm 1550 Source: 1510 nm	
Power output (minimum)	850/1300 Source: -20 dBm 1310 Source: -10 dBm 1550 Source: -10 dBm	
Power output stability (8 hours)	+/- 0.25 dB at 23 C	
Battery life (2 replaceable AA alkaline batteries)	850/1300 Source: 10–50 hours typical 1310 Source: 20–100 hours typical 1550 Source: 20–100 hours typical	
Optical Power Meter		
Power measurement accuracy	+/- 0.25 dB at 23 C (45% to 75% RH, -20 dBm)	
Connector (varies by model)	Interchangeable Connector Adapter: ST, SC, FC, universal	
Detector type	Germanium	
Calibrated wavelengths	850 nm, 1300 nm, 1310 nm, 1550 nm	
Power measurement range	+ 3 to –55 dBm	
Resolution	0.01 dB	
Battery life	250 hours typical	
Memory	100 results	
Serial port	RS-232,DB9	

Ordering Information

Model	Description
8250-02	**SimpliFiber Kit ST** Source uses LED light sources at 850 nm and 1300 nm and ST adapters Meter supplied with ST interchangeable connector adapter
8250-04	**SimpliFiber Kit SC** Source uses LED light sources at 850 nm and 1300 nm and SC adapters Meter supplied with SC interchangeable connector adapters
8251-01	**SimpliFiber 1310 Source ST** (1310 nm laser and ST adapter)
8251-11	**SimpliFiber 1310 Source SC** (1310 nm laser and SC adapter)
8251-02	**SimpliFiber 1550 Source ST** (1550 nm laser and ST adapter)
8251-12	**SimpliFiber 1550 Source SC** (1550 nm laser and SC adapter)

Reporting made simple

SimpliFiber stores 100 test results in memory. Quickly upload test results from SimpliFiber to your PC using LinkWare™ Software that comes free with your SimpliFiber. Manage test results, print professional reports or export data into popular spreadsheet formats.

Fluke Networks delivers Network SuperVision

Fluke Networks is committed to providing 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.

NETWORKSUPERVISION

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Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to **www.flukenetworks.com/contact**.

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