

# Fiber Optic Test Solutions

## Fiber Optic Test Kit and Laser Source

## Fluke LS-1310/1550 Source Specs

Provided by [www.AAATesters.com](http://www.AAATesters.com)

**New**



### Features

#### Fiber Optic Test Kit Features

- Includes both optical power meter and optical source
- Measure optic power in dBm or  $\mu$ W
- Measures optical power loss in dB
- Optical power meter measures 850 nm, 1300/1310 nm, and 1550 nm light sources
- Optical power source generates both 850 nm and 1300 nm wavelengths
- Works with the DSP Series Cable Testers and the OneTouch Network Assistant
- Lightweight, heavy-duty design for rugged field use

#### Laser Source Features

- Optical power source generates both 1310 nm and 1550 nm wavelengths
- A companion source to the DSP-FOM Fiber Optic Meter
- Works with the DSP Series Cable Testers and the OneTouch Network Assistant
- Lightweight, heavy-duty design for rugged field use

#### The DSP-FTK Fiber Test Kit

Measuring optic power loss in fiber optic cables can detect bad connections, bad splices, and mismatched fiber types. The DSP-FTK Fiber Test Kit includes everything you need to verify the performance of multimode and singlemode fiber optic cable, including:

- **DSP-FOM:** An optical power meter that can measure optical power from 850 nm, 1300/1310 nm, and 1550 nm light source
- **FOS-850/1300:** An optical power source that generates both 850 nm and 1300 nm wavelengths
- **Hard carrying case** which holds both the DSP-FOM Fiber Optic Meter, FOS-850/1300 multimode Source and companion LS-1310/1550 Laser Source

#### LS-1310/1550 Laser Source

The LS-1310/1550 is a companion laser source for the DSP-FOM Fiber Optic Meter. The LS-1310/1550 is an optical power source that generates both 1310 nm and 1550 nm wavelengths.

#### Add optical power loss measurement capability:

##### To Fluke DSP Series Cable Testers

The power meter works in tandem with either the DSP-100 CableMeter or DSP-2000 CableAnalyzer connected via an RJ-45 patch cable. Select the wavelength using the four-position slide switch and view measured wavelength, loss, loss limit, test direction, and reference levels on the easy-to-read DSP Series display. DSP Series cable testers can store these results under a unique user-defined label to be downloaded to a PC or directly to a printer.

##### To the Fluke OneTouch Network Assistant

The power meter works in tandem with the OneTouch Network Assistant connected via an RJ-45 patch cable. Select the wavelength using the slide switch and view the measured wavelength, loss limit, test direction, and reference levels on the easy-to-read OneTouch display.

### Specifications

#### DSP-FOM Optical Power Meter

**Calibrated wavelengths:** 850 nm, 1300 nm, and 1550 nm

**Dynamic range:** +3 to -50 dBm

**Measurement accuracy:**  $\pm 0.25$  dB at -10.0 dBm and 25°C

**Display resolution:** 0.01 dB (0.001  $\mu$ W)

**Detector type:** Germanium

**Optical adapter:** ST

**Size:** 11.4 x 6.4 x 3.8 cm (4.5 x 2.5 x 1.5 in)

**Weight:** 142g (5.0 oz)

**Warranty:** 1 year

#### FOS-850/1300 Optical Source

**Transmit wavelengths:** 850 nm and 1300 nm

**Power output:** -20 dBm

**Source type:** LED

**Optical adapter:** ST

**Power:** 9 volt alkaline battery

**Battery life:** 24 hours typical

**Size:** 11.4 x 6.4 x 3.8 cm (4.5 x 2.5 x 1.5 in)

**Weight:** 142g (5.0 oz)

**Warranty:** 1 year (extended warranty available)

#### LS-1310/1550 Laser Source

**Transmit wavelengths:** 1310 nm and 1550 nm

**Power output:** -10 dBm

**Emitter type:** Laser

**Laser Classification:** Class 1

**Safety:** Complies with ANSI/ISA S82.01-1994, CSA C22.2 No. 1010.1-92, EN61010.1: 1993

**Optical adapter:** ST

**Power:** 9 volt alkaline battery

**Battery life:** 16 hours typical

**Indicators:** Source Active LED (power on), Low Battery LED

**Size:** 17.4 x 7.6 x 3.8 cm (6.8 x 3 x 1.5 in)

**Weight:** 266g (9.4 oz)

**Warranty:** 1 year (extended warranty available)

### Accessories and Ordering Information

#### DSP-FTK\* Fiber Test Kit

Includes: DSP-FOM Optical Power Meter, FOS-850/1300 Combination Source, Two ST-ST multimode patch cords, ST-ST multimode fiber optic adapter, hard carrying case

#### DSP-FOM\* Fiber Optic Power Meter

Includes: Optical Power Meter, Two ST-ST multimode patch cords, ST-ST multimode fiber optic adapter, hard carrying case

#### LS-1310/1550\* Laser Source

Includes: Laser Source, Two ST-ST singlemode patch cords, ST-ST singlemode fiber optic adapter, hard carrying case

FOS-850/1300\*  
FOC-ST/ST

FOC-ST/FC

FOC-ST/SC

FOC-ST/SMA

FOA-ST/ST

NF100SM

NF110SM

Combination 850 nm/1300 nm Source  
ST-ST multimode patch cord

ST to FC multimode patch cord

ST to SC multimode patch cord

ST to SMA multimode patch cord

ST to ST multimode fiber optic adapter

ST to ST singlemode patch cord

ST to SC singlemode patch cord

NF120SM

ST to FC singlemode patch cord

NF300SM

ST to ST singlemode fiber optic adapter

Need technical assistance? Call:

**1-800-44-FLUKE**

Toll-free in the U.S.

(905) 890-7600 in Canada

(425) 356-5500 other countries

[www.fluke.com/nettools](http://www.fluke.com/nettools)