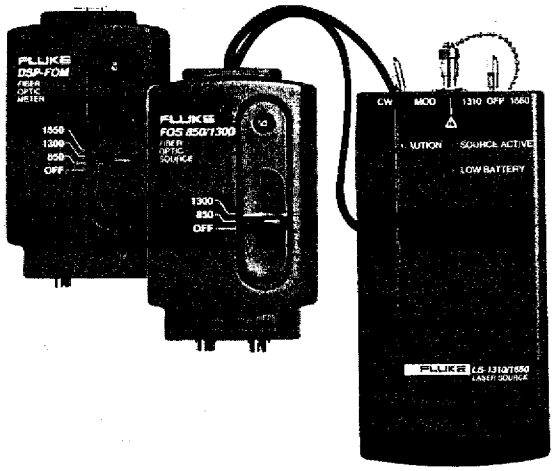
Fiber Optic Test Solutions

FLUKE®

Fiber Optic Test Kit and Laser Source



Features

Fiber Optic Test Kit Features

- Includes both optical power meter and optical source
- Measure optic power in dBm or µW
- 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 1330 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: ±0.25 dB at -10.0 dBm and 25°C
Display resolution: 0.01 dB (0.001 µW)
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*	Combination 850 nm/1300 nm Source
FOC-ST/ST	ST-ST multimode patch cord
FOC-ST/FC	ST to FC multimode patch cord
FOC-ST/SC	ST to SC multimode patch cord
FOC-ST/SMA	ST to SMA multimode patch cord
FOA-ST/ST	ST to ST multimode fiber optic adapter
NF100SM	ST to ST singlemode patch cord
NF110SM	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