

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke DSP-Fiber Test Kit

Fluke Optical Power Meters. Accuracy: ± 0.25 dB at -10.0 dBm (25°C) or ± 0.25 dB (18°C), Resolution: 0.01 dB ($0.001 \mu\text{W}$).



MODEL Fluke DSP-Fiber	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU DSP-Fiber	LISTING https://aumictechlabs.com/products/dsp-fiber-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke DSP-Fiber Test Kit is a modular fiber optic test solution for network technicians and installers performing cable verification, loss measurement, and fault identification in multimode and singlemode fiber installations. The kit combines an optical power meter, LED-based power source, and field-proven fiber test adapters to deliver automated dual-fiber, dual-wavelength testing with pass/fail certification against industry standards. Technical Specifications Fluke DSP-FOM Fiber Optic Power Meter Calibrated wavelengths: 850 nm, 1300 nm, 1550 nm Measurement range: $+3$ dBm to -50 dBm Measurement accuracy: ± 0.25 dB at -10.0 dBm (25°C) or ± 0.25 dB (18°C , $\leq 90\%$ RH) Display resolution: 0.01 dB ($0.001 \mu\text{W}$) Detector: Germanium Optical adapter: ST I/O connector: RJ45 8-pin with ground shield Dimensions: $11.4 \text{ cm} \times 6.4 \text{ cm} \times 3.8 \text{ cm}$ Weight: 141.7 g Battery: 9 V alkaline (90 hours typical) Operating temperature: 0°C to $+40^{\circ}\text{C}$ Storage temperature: -10°C to $+60^{\circ}\text{C}$ or -20°C to $+70^{\circ}\text{C}$ Operating humidity: 0 – 75% RH, non-condensing Fluke FOS-850/1300 Optical Power Source Transmit wavelengths: 850 nm, 1300 nm Source type: LED Power output: -20 dBm Optical adapter: ST Battery: 9 V alkaline Fluke LS-1310/1550 Laser

Source (Optional) Transmit wavelengths: 1310 nm, 1550 nm Emitter type: Laser Power output: -10 dBm Laser classification: Class 1 Compliance: ANSI/ISA S82.01-1994, CSA C22.2 No. Key Features Automated dual-fiber, dual-wavelength test and certification FindFiber™ connectivity verification Bi-directional testing capability Length measurement support for singlemode fiber links (select adapters) Small Form Factor (SFF) link testing with optional kits Pass/fail results aligned to common fiber test standards Typical Applications Multimode fiber at 850 nm and 1300 nm; singlemode fiber at 1310 nm and 1550 nm. Gigabit Ethernet multimode and singlemode link certification and troubleshooting. Compatibility & Integration Compatible with Fluke DSP-4000 Series CableAnalyzers, DSP-100 CableMeter, OneTouch Network Assistant, and OptiView Integrated Network Analyzer. Fiber test adapters interface directly with supported Fluke testers for integrated test workflows.

DSPFIBER Characteristics / Specifications

PARAMETER	VALUE
Calibrated Wavelengths	850 nm 1300 nm and 1550 nm
Measurement Accuracy	plus or minus 0.25 dB at -10.0 dBm and 25 C
Resolution	0.1 dB (1 mV)
Display Resolution	0.01 dB (0.001 uW)
Detector Type	1 mm germanium
Optical Adapter	ST
Host Connector	RJ45 8-pin with ground shield
Output Voltage Dynamic Range	-0.02 V to +0.55 V
Operating Temperature	0 C to 40 C
Storage Temperature	minus 20 C to 70 C
Size	11.4 cm x 6.4 cm x 3.8 cm
Weight	141.7 g
Battery Type	9 V alkaline
Battery Life Typical	90 hours
Conformance	IEC 1010-1
Accuracy Period	one year after calibration at 18 C to 28 C RH to 90 percent
Host Instruments Class	DSP CableMeter and CableAnalyzer
Wavelength Select	face slide switch
Related Source Pairing Class	FOS-850/1300 family kits
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Traceability Class	per OEM calibration certificate
Connector Condition Class	clean inspected connectors required for optical specs

DSPFIBER Specifications

PARAMETER	VALUE
Fluke DSP Fiber Optical Power Meter Module Family	Overview
Key Features	Calibrated 850 1300 1550 nm wavelengths
Interfaces to DSP CableMeter/CableAnalyzer via RJ45	1 mm germanium detector with ST adapter
Technical Specifications	Calibrated Wavelengths: 850 nm 1300 nm and 1550 nm

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 70 C
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Size	11.4 cm x 6.4 cm x 3.8 cm
Weight	141.7 g
Battery Type	9 V alkaline
Battery Life Typical	90 hours
Conformance	IEC 1010-1
Accuracy Period	one year after calibration at 18 C to 28 C RH to 90 percent
Host Instruments Class	DSP CableMeter and CableAnalyzer
Wavelength Select	face slide switch
Related Source Pairing Class	FOS-850/1300 family kits
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Traceability Class	per OEM calibration certificate
Connector Condition Class	clean inspected connectors required for optical specs Notes From Fluke DSP-FOM specification sheet for the DSP Fiber optical power accessory family. EMI field-strength footnotes add uncertainty; confirm DSP-Fiber kit contents (FOM versus source) on the package label.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Calibrated Wavelengths	850 nm 1300 nm and 1550 nm
Measurement Accuracy	plus or minus 0.25 dB at -10.0 dBm and 25 C
Resolution	0.1 dB (1 mV)
Display Resolution	0.01 dB (0.001 uW)
Detector Type	1 mm germanium
Optical Adapter	ST
Host Connector	RJ45 8-pin with ground shield
Output Voltage Dynamic Range	-0.02 V to +0.55 V
Operating Temperature	0 C to 40 C
Storage Temperature	minus 20 C to 70 C
Size	11.4 cm x 6.4 cm x 3.8 cm
Weight	141.7 g
Battery Type	9 V alkaline
Battery Life Typical	90 hours
Conformance	IEC 1010-1
Accuracy Period	one year after calibration at 18 C to 28 C RH to 90 percent
Host Instruments Class	DSP CableMeter and CableAnalyzer
Wavelength Select	face slide switch
Related Source Pairing Class	FOS-850/1300 family kits
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Traceability Class	per OEM calibration certificate
Connector Condition Class	clean inspected connectors required for optical specs
Notes	
From Fluke DSP-FOM specification sheet for the DSP Fiber optical power accessory family. EMI field-strength footnotes add uncertainty; confirm DSP-Fiber kit contents (FOM versus source) on the package label.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.