

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke DSP-FTA420S Fiber Test Set

The Fluke DSP-FTA420S Fiber Test Set is a multimode fiber adapter accessory for the Fluke DSP-4000 Series CableAnalyzers, accurate loss, length, and propagation delay measurements across singlemode, multimode, and Gigabit Ethernet multimode fiber links. It performs automated dual-fiber, dual-wavelength testing with bi-directional capability on both fibers in a single test record, enabling field technicians and network installers to certify fiber optic cabling systems against industry standards without manual reconfiguration. Measurement Capabilities: Loss, length, and propagation delay measurements; dual-fiber, dual-wavelength automated testing; bi-directional fiber testing Power Measurement Accuracy: ± 0.25 dB at 23 °C, 45% RH to 75% RH; -20 dBm at 850 nm LinkWare™ software integration for centralized results management and report generation

**MODEL****Fluke DSP-FTA420S****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****DSP-FTA420S****LISTING**<https://aumictechlabs.com/products/dsp-fta420s-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke DSP-FTA420S Fiber Test Set is a multimode fiber adapter accessory for the Fluke DSP-4000 Series CableAnalyzers, accurate loss, length, and propagation delay measurements across singlemode, multimode, and Gigabit Ethernet multimode fiber links. It performs automated dual-fiber, dual-wavelength testing with bi-directional capability on both fibers in a single test record, enabling field technicians and network installers to certify fiber optic cabling systems against

industry standards without manual reconfiguration. Technical Specifications Optical Sources: LED light sources at 850 nm and 1300 nm for multimode testing Wavelengths Calibrated: 850 nm, 1300 nm, 1310 nm, 1550 nm, and 1625 nm Measurement Capabilities: Loss, length, and propagation delay measurements; dual-fiber, dual-wavelength automated testing; bi-directional fiber testing Power Measurement Accuracy: ± 0.25 dB at 23 °C, 45% RH to 75% RH; -20 dBm at 850 nm Power Measurement Linearity: ± 0.25 dB at 23 °C Connector Type: SC connector Operating Temperature: 0 °C to +40 °C Weight: 7.6 oz (215 g) Key Features Automated dual-fiber, dual-wavelength test and certification workflow Bi-directional testing saves results for both directions in a single record FindFiber™ feature for rapid signal detection at remote ends TALK feature enables voice communication with personnel at the opposite end MONITOR feature tracks maximum and minimum power throughput Pass/fail results referenced to common fiber test standards Smart Remote, Loopback, and Far End Source remote end configuration options LinkWare™ software integration for centralized results management and report generation Typical Applications Multimode fiber (MMF) link certification Singlemode fiber (SMF) link testing Gigabit Ethernet multimode fiber deployment verification Field acceptance testing and troubleshooting of installed fiber cabling Compatibility & Integration Compatible with Fluke DSP-4000, DSP-4100, and DSP-4300 Series CableAnalyzers. Integrates with LinkWare™ Cable Test Management Software for results archival and automated report generation.

DSPFTA420S Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Fluke Networks DSP-FTA420S
Host Platform	DSP-4000 CableAnalyzer
Fiber Type	62.5 um multimode
Source Wavelengths	850 nm and 1300 nm LED
Length Capability	up to 5000 m
Detector Type	InGaAs
Calibrated Wavelengths	850 nm 1300 nm 1310 nm 1550 nm 1625 nm
Power Measurement Accuracy	plus or minus 0.25 dBm at 23 C 45 to 75 percent RH
Power Accuracy Reference 850 13	at minus 20 dBm
Power Accuracy Reference 1550 16	at minus 10 dBm
Connector Type	SC multimode
Power Supply	plus or minus 6 V supplied by DSP-4000
Operating Temperature	0 C to 40 C
Storage Temperature	minus 10 C to 60 C
Warm Up Time	5 minutes
Humidity Operating	0 to 75 percent RH non-condensing
Set Contents Adapters	two DSP-FTA420 adapters
Set Contents Patch Cords SC/ST	four 62.5 um multimode
Set Contents Patch Cords ST/ST	two 62.5 um multimode
Set Contents Adapters ST/ST	two
Test Modes	Smart Remote Loopback Far End Source
SFF Link Testing	built-in support
Series Family	DSP-FTA4XX fiber test adapters
Humidity	Operating: 0 to 75 percent RH non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 10 C to 60 C
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Humidity	Operating: 0 to 75 percent RH non-condensing
Warm Up Time	5 minutes
Humidity Operating	0 to 75 percent RH non-condensing
Set Contents Adapters	two DSP-FTA420 adapters
Set Contents Patch Cords SC/ST	four 62.5 um multimode
Set Contents Patch Cords ST/ST	two 62.5 um multimode
Set Contents Adapters ST/ST	two
Test Modes	Smart Remote Loopback Far End Source
SFF Link Testing	built-in support
Series Family	DSP-FTA4XX fiber test adapters Notes From Fluke Networks DSP-FTA420/30/40 Users Manual specifications and DSP-4000 datasheet DSP-FTA420S section. Confirm 62.5 um versus 50 um accessory kits on the packing list.

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
Instrument Family	Fluke Networks DSP-FTA420S
Host Platform	DSP-4000 CableAnalyzer
Fiber Type	62.5 um multimode
Source Wavelengths	850 nm and 1300 nm LED
Length Capability	up to 5000 m
Detector Type	InGaAs
Calibrated Wavelengths	850 nm 1300 nm 1310 nm 1550 nm 1625 nm
Power Measurement Accuracy	plus or minus 0.25 dBm at 23 C 45 to 75 percent RH
Power Accuracy Reference 850 1300	at minus 20 dBm
Power Accuracy Reference 1550 1625	at minus 10 dBm
Connector Type	SC multimode
Power Supply	plus or minus 6 V supplied by DSP-4000
Operating Temperature	0 C to 40 C
Storage Temperature	minus 10 C to 60 C
Warm Up Time	5 minutes
Humidity Operating	0 to 75 percent RH non-condensing
Set Contents Adapters	two DSP-FTA420 adapters
Set Contents Patch Cords SC/ST	four 62.5 um multimode
Set Contents Patch Cords ST/ST	two 62.5 um multimode
Set Contents Adapters ST/ST	two
Test Modes	Smart Remote Loopback Far End Source
SFF Link Testing	built-in support
Series Family	DSP-FTA4XX fiber test adapters
Notes	
From Fluke Networks DSP-FTA420/30/40 Users Manual specifications and DSP-4000 datasheet DSP-FTA420S section. Confirm 62.5 um versus 50 um accessory kits on the packing list.	

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.