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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

EXFO FIP-435B 1" Fiber Inspection Probe

Applications - Connector endface inspection and certification - FTTH / FTTA / FTTx installation
 QC - Pass/fail analysis to IEC/IPC/custom criteria - Wireless inspection with ConnectorMax2
 Mobile - Multifiber / MPO automated inspection workflows Key Features - Fully automated one-step inspection - WiFi 802.11g wireless, self-powered - Onboard pass/fail analysis and LED indicator - Autofocus and autocentering - Three digital magnification levels - ConnectorMax2 mobile app (Android/iOS) - Compatible with FTB/MaxTester via USB or WiFi
 Technical Specifications Model: FIP-435B Manufacturer: EXFO Instrument Type: Wireless Fiber Inspection Probe Alias: FIP-400B Wireless; FIP435B Size: 55 mm x 39 mm x 207 mm Weight: 0.3 kg (0.66 lb) Resolution: 0.



MODEL

Exfo FIP-435B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FIP-435B

LISTING

<https://aumictechlabs.com/products/fip-435b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FIP-435B is a high-resolution fiber inspection probe that automates connector end-face analysis across IEC, IPC, and custom compliance standards. Purpose-built for field technicians, it delivers one-step pass/fail inspection with automatic fiber detection, image centering, focus optimization, and integrated reporting. The probe streams live video wirelessly via Wi-Fi to Android/iOS devices running ConnectorMax2 Mobile Software, as well as to EXFO FTB and MaxTester platforms and Windows PCs (7, 8, 10). Three magnification levels provide

detailed analysis of single-fiber and multifiber connectors - from 304 μm $\times$ 304 μm fields at high magnification down to 912 μm $\times$ 912 μm at low magnification. Focus protection eliminates false positives from improper adjustment. Interchangeable tips support SC, LC, and MPO/MTP connectors, while picture-in-picture visualization simplifies multifiber inspection. A rechargeable battery delivers approximately 6 hours of continuous operation, and an included USB AC adapter enables charging via Micro USB. For hands-free diagnosis, a dedicated Pass/Fail LED allows operation without a connected display.

Technical Specifications

Analysis Standard Compliance: IEC, IPC, and custom standards

Magnification Levels: Three levels with corresponding fields of view

High magnification: 304 μm $\times$ 304 μm

Mid magnification: 608 μm $\times$ 608 μm

Low magnification: 912 μm $\times$ 912 μm

Focus System: Automated adjustment and optimization with focus protection

MPO/MTP Support: Picture-in-picture visualization

Battery Life: Approximately 6 hours continuous operation

Operating Temperature: -10 $^{\circ}\text{C}$ to 40 $^{\circ}\text{C}$ (14 $^{\circ}\text{F}$ to 104 $^{\circ}\text{F}$) on battery power

Physical Dimensions: 55 mm (H) $\times$ 39 mm (W) $\times$ 207 mm (D)

Weight: Approximately 0.3 kg

Key Features

- Fully automated one-step inspection: fiber connection detection, centering, focus, capture, analysis, and reporting
- Wireless connectivity via Wi-Fi for live video streaming
- USB connectivity to EXFO platforms and compatible PCs
- Pass/Fail LED indicator for screenless operation
- USB-powered charging with included AC adapter

Typical Applications

- Connector end-face compliance verification in field deployments
- Single-fiber and multifiber connector inspection
- Real-time documentation and archival reporting

Compatibility & Integration

Mobile: ConnectorMax2 Mobile Software for Android and iOS (live video, rotation, zoom, results review, documentation)

Platforms: EXFO FTB, MaxTester, and Windows 7/8/10 PCs

Connector Types: SC, LC, MPO/MTP single and dual-row interchangeable tips

Interfaces: Wi-Fi and USB Micro USB

Features & description

From manufacturer datasheet

Features

- Fully automated one-step inspection
-

Applications

- Connector endface inspection and certification

FIP435B Characteristics / Specifications

PARAMETER	VALUE
Model	FIP-435B
Manufacturer	EXFO
Instrument Type	Wireless Fiber Inspection Probe
Alias	FIP-400B Wireless; FIP435B
Size	55 mm x 39 mm x 207 mm
Weight	0.3 kg (0.66 lb)
Resolution	0.55 um
Camera sensor	five-megapixel CMOS
Visual detection capability	less than 1 um
Field of view high	304 um x 304 um
Field of view mid	608 um x 608 um
Field of view low	912 um x 912 um
Light source	Blue LED
Lighting technique	Coaxial
Digital magnification levels	3
Capture button	yes
Magnification button	yes
Connector	Micro USB
Connectivity	WiFi 802.11g
Frequency band	2.4 GHz
OS compatibility	Android 4.4 and above; iOS 9 and above
Power	1 x removable battery
Autonomy	≥8 hours
Recharge time	≤4 hours
Distance range	2.5 m (8.2 ft)

PARAMETER	VALUE
Operating temperature batteries	-10 C to 40 C
Operating temperature USB adapter	0 C to 40 C
Storage temperature with batteries	-20 C to 60 C
Storage temperature without batteries	-40 C to 70 C
Relative humidity unit	0% to 95% non-condensing
Automation	autofocus; autocentering; onboard pass/fail
Pass fail LED	yes
Standards analysis	IEC; IPC; custom Notes Specs from EXFO FIP-400B / FIP-435B wireless fiber inspection scope specification sheets. Confirm tip kit (UPC vs APC) and platform software revision with the shipment.
Storage temperature	with batteries: -20 C to 60 C
Operating temperature	batteries: -10 C to 40 C
Humidity	unit: 0% to 95% non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	with batteries: -20 C to 60 C
Operating temperature	batteries: -10 C to 40 C
Operating Temperature	batteries: -10 C to 40 C
Humidity	unit: 0% to 95% non-condensing
Operating temperature batteries	-10 C to 40 C
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Storage temperature with batteries	-20 C to 60 C
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Relative humidity unit	0% to 95% non-condensing
Automation	autofocus; autocentering; onboard pass/fail
Pass fail LED	yes
Standards analysis	IEC; IPC; custom Notes Specs from EXFO FIP-400B / FIP-435B wireless fiber inspection scope specification sheets. Confirm tip kit (UPC vs APC) and platform software revision with the shipment.

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	
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Specifications

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Pass fail LED	yes
Standards analysis	IEC; IPC; custom

Notes

Specs from EXFO FIP-400B / FIP-435B wireless fiber inspection scope specification sheets. Confirm tip kit (UPC vs APC) and platform software revision with the shipment.

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

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<https://aumictechlabs.com>

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