

FIP-400B Wireless Fiber Inspection Probe

FULLY AUTOMATED WiFi INSPECTION TOOL WITH EMBEDDED ANALYSIS



Available for
iOS and Android™



Feature(s) of this product is/are protected by one or more of: US design patents D751434 and equivalents in other countries; US design patent D742394; US patent 9,841,579 and equivalent patent(s) pending and/or granted in other countries; US patent 9,921,373; patent appl. US 2017/0003195 A1 and equivalent patent(s) pending and/or granted in other countries; and/or other US patent pending.

Turn your smart device into a fully automated fiber inspection solution delivering fast and consistent test results for both single and multifiber connectors, from a single tool. With no wire in your way or cumbersome battery pack, it provides unmatched user experience combined with bring-it-anywhere portability.

KEY FEATURES

- 100% automated, one-step inspection process
- Completely wireless, self-powered unit
- Screenless operation enabled by pass/fail LED indicator
- On-board connector endface analysis (IEC, IPC or custom standards)
- Feature-rich ConnectorMax2 mobile application compatible with Android™ and iOS devices
- Full reporting capabilities on mobile devices
- All-day battery life that will never let you down
- MF-ready version compatible with patent-pending automated multifiber connector inspection tip

APPLICATIONS

- Fiber-to-the-antenna (FTTA)
- FTTx and hybrid networks
- DAS and fiber-fed small cells
- Data centers
- Campus and private networks
- Central office

RELATED PRODUCTS



FIP-400B MF-ready
USB fiber inspection probe



FIPT-400-MF
Patent-pending automated
multifiber inspection tip



FastReporter
Data post-processing
software



Cleaning kits

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FIP-400B SERIES OF FIBER INSPECTION PROBES



FEATURES	USB WIRED			WIRELESS		
	Basic FIP-410B	Semi-automated FIP-420B	Fully automated FIP-430B	Fully automated FIP-415B	Semi-automated FIP-425B	Fully automated FIP-435B
Three magnification levels	✓	✓	✓	✓	✓	✓
Image capture	✓	✓	✓	✓	✓	✓
Five-megapixel CMOS capturing device	✓	✓	✓	✓	✓	✓
Automatic fiber image-centering function	✗	✓	✓	✓	✓	✓
Automatic focus adjustment	✗	✗	✓	✓	✗	✓
On-board pass/fail analysis	✗	✓	✓	✗*	✓	✓
Pass/fail LED indicator	✗	✓	✓	✗	✓	✓
WiFi connectivity	✗	✗	✗	✓	✓	✓
Manual scanning for multifiber/MPO connectors	✓	✓	✓	✓	✓	✓
Automated multifiber/MPO inspection	✓	✓	✓	✓	✓	✓

* Pass/fail analysis is field upgradable via software option

BRING IT EVERYWHERE WITH THE BELT HOLSTER

GP-2224*

The perfect accessory to carry:

- › 1 x FIP-415B/425B/435B unit
- › 2 x IBC cleaner tools
- › A selection of fiber inspection tips
- › Smartphone
- › FLS-140 VFL (or pen)

*Accessories not included.



SPECIFICATIONS^a

Size (H x W x D)	55 mm x 39 mm x 207 mm (2 ³ / ₁₆ in x 1 ¹ / ₂ in x 8 ¹ / ₈ in) ^b
Weight	0.3 kg (0.7 lb)
Resolution	0.55 µm
Camera sensor	Five-megapixel CMOS
Visual detection capability ^g	<1 µm
Field of view ^g	304 µm x 304 µm (high magnification) 608 µm x 608 µm (mid magnification) 912 µm x 912 µm (low magnification)
Light source	Blue LED
Lighting technique	Coaxial
Capture button	Available on all models
Magnification button	Available on all models
Digital magnification	Three levels
Connector	Micro USB
Connectivity	WiFi 802.11g
Frequency band	2.4 GHz
Smart device OS compatibility ^c	Android 4.4 and above, iOS 9 and above
Power	1 x removable battery
Autonomy ^d	FIP-415B: ≥8 hours FIP-425B: ≥10 hours FIP-435B: ≥8 hours
Recharge time ^e	≤ 4 h
Distance range ^f	2.5 m (8.2 ft)

GENERAL SPECIFICATIONS

Temperature operating	Unit powered by batteries: -10 °C to 40 °C (14 °F to 104 °F) Unit connected to USB adapter: 0 °C to 40 °C (32 °F to 104 °F)
Temperature storage	Unit without batteries: -40 °C to 70 °C (-40 °F to 158 °F) Unit with batteries: -20 °C to 60 °C (-4 °F to 140 °F)
Relative humidity	Unit: 0% to 95% non-condensing USB Adapter: 5% to 95% non-condensing for storage, 8% to 90% for operating temperature

ACCESSORIES (INCLUDED)

Video inspection probe (FIP-425B/435B)
Bulkhead and patch cord tips
GP-2175: Protective cap and cord assembly
FIPT-BOX: Compartmentalized plastic case for tips
GP-3108: Compartmented soft pouch
GP-2225: USB to micro USB cable
GP-2226: Rechargeable battery (qty. 1)
GP-2227: USB AC adapter

Notes

- a. Typical.
- b. Measurement excluding tip.
- c. Software is qualified with Google Nexus, Apple iPhone and Apple iPad devices. Other models are not guaranteed to be 100% compatible.
- d. One (1) test per minute. The probe remains in live mode for 20 seconds during each test.
- e. Using USB AC Adapter. When probe is in use the recharge time may take longer.
- f. WiFi interferences and physical obstacles may affect distance range.
- g. Single Fiber Connector mode.

ORDERING INFORMATION

Single fiber configuration

FIP-4**XXB-XX-XX**Inspection probe model ^aFIP-415B^e = Wireless analysis digital video inspection probe

Automated focus
Triple magnification
Autocentering

FIP-425B = Wireless analysis digital video inspection probe

Automated pass/fail analysis
Triple magnification
Autocentering

FIP-435B = Wireless analysis digital video inspection probe

Automated focus
Automated pass/fail analysis
Triple magnification
Autocentering

Base tips

APC = Includes FIPT-400-U25MA and FIPT-400-SC-APC

UPC = Includes FIPT-400-U25M and FIPT-400-FC-SC

Extra FIP-400B tips ^b

Bulkhead tips

FIPT-400-FC-APC = FCAPC tip for bulkhead adapter

FIPT-400-FC-SC = FC and SC tip for bulkhead adapter ^c

FIPT-400-LC = LC tip for bulkhead adapters

FIPT-400-LC-APC = LC/APC tip for bulkhead adapter

FIPT-400-MU = MU tip for bulkhead adapters

FIPT-400-SC-APC = SC APC tip for bulkhead adapter ^d

FIPT-400-SC-UPC = SC UPC tip for bulkhead adapter

FIPT-400-ST = ST tip for bulkhead adapter

Patchcord tips

FIPT-400-U12M = Universal patchcord tip for 1.25 mm ferrules

FIPT-400-U12MA = Universal patchcord tip for 1.25 mm ferrules APC

FIPT-400-U16M = Universal patchcord tip for 1.6 mm ferrules

FIPT-400-U20M2 = Universal patchcord tip for 2.0 mm ferrules (D4, Lemo)

FIPT-400-U25M = Universal patchcord tip for 2.5 mm ferrules ^cFIPT-400-U25MA = Universal patchcord tip for 2.5 mm ferrules APC ^d

Tip kits

FIPT-400-LC-K = LC tip kit including: FIPT-400-LC: LC tip for bulkhead adapters,

FIPT-400-LC-APC: LC/APC tip for bulkhead adapter,

FIPT-400-U12M: Universal patchcord tip for 1.25 mm ferrules,

FIPT-400-U12MA: Universal patchcord tip for 1.25 mm ferrules APC

FIPT-400-LC-K-APC = LC tip kit including: FIPT-400-LC-APC: LC/APC tip for bulkhead adapter

and FIPT-400-U12MA: Universal patchcord tip for 1.25 mm ferrules APC

FIPT-400-LC-K-UPC = LC tip kit including: FIPT-400-LC: LC tip for bulkhead adapters and

FIPT-400-U12M: Universal patchcord tip for 1.25 mm ferrules

Example: FIP-425B-APC-FIPT-400-FC-SC-FIPT-400-U25M

Notes

a. ConnectorMax2 Mobile software available on the App Store and on Google Play™.

b. This list represents a selection of fiber inspection tips that covers the most common connectors and applications but does not reflect all the tips available. EXFO offers a wide range of inspection tips, bulkhead adaptors and kits to cover many more connector types and different applications. Please contact your local EXFO sales representative or visit www.EXFO.com/FIPtips for more information.

c. Included when UPC base tips are selected.

d. Included when APC base tips are selected.

e. Pass/fail analysis is field upgradable via software option.

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