

FIP-400

NETWORK TESTING—OPTICAL



Highly versatile probe to detect dirty/damaged connectors with unparalleled precision

- Easy back-panel connector inspection
- Truly rugged and lightweight solution for the field
- Image-capture capability for report documentation (.jpg)
- Ideal for all types of connectors: APC, UPC, MTP and more
- Slim design for easy use in crowded patch panels
- Compatible with EXFO test instruments
- USB adapter

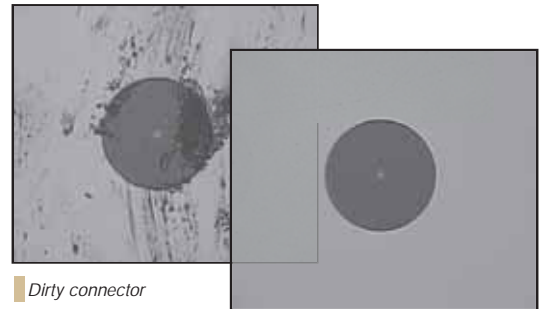
Zoom In on Clarity

It's a known fact: optical network problems are often caused by dirty and/or damaged connectors. Using a fiber inspection probe to ensure connectors/adapters are clean and exempt of any defect is where accurate testing starts.

Thanks to EXFO's FIP-400 Fiber Inspection Probe, checking connectors and other fiber terminations for polish quality and cleanliness has never been easier. Benefit from the best optical resolution in the industry and see scratches and dirt particles as small as 1 µm.



Magnification and focus controls



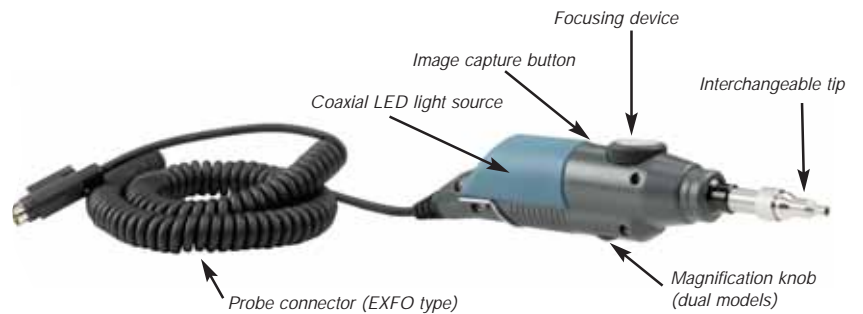
Dirty connector

Clean connector

FIBER PROBE VIEWER



VIDEO INSPECTION PROBE



The Industry's Most Versatile Probe

With EXFO's FIP-400, you have the choice—you can either use it with a PC, with one of our test sets or with our lightweight, handheld monitor. Choose the way that works for you.

Plug directly



USB 2



USB 1

Requires USB 2.0 converter



Laptop and PC

Requires USB 1.1 converter



IQS-500

FTB-400

Applications

Patchcord inspection

- Compatible with a wide range of connector types
- Offers great optical performance for patchcord quality assurance
- Use it as a stand-alone unit to perform field applications or with a USB adapter in a manufacturing environment

Patch panel bulkhead inspection

- Get a clear view of both sides of an interconnection
- Inspect hard-to-reach connectors without stressing adjacent fibers, thanks to the FIP-400's slim design

Single fiber connector inspection

- Compatible with 1.25 mm and 2.5 mm angled-polished and ultra polished connectors (APC and UPC)

Multifiber connector inspection

- Compatible with male and female ribbon connectors such as MTP multifiber APC and UPC connectors



Patchcord inspection in a manufacturing environment



Patch panel bulkhead inspection

ADAPTER TIPS



FIPT-400 ADAPTER
Adapter tip



FIPT-400-LC
LC tip for bulkhead adapters



FIPT-400-FC-SC
FC and SC APC tip for bulkhead adapters



FITP-400-FC-SC-APC
FC and SC tip for APC bulkheads



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



FIPT-400-MTP
MTP tip for PC bulkheads



FIPT-400-U25M
Universal patchcord tip for 2.5 mm ferrules



FIPT-400-LC-APC
LC/APC tip for bulkhead adapters



FIPT-400-MTPA
MTP tip for PC bulkheads



FIPT-400-ST
ST tip for bulkhead adapters



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



FIPT-400-U25MA
Universal patchcord tip for 2.5 mm APC ferrules

FIPT-400-LC-KIT = FITP-400-LC, FITP-400-LC-APC, FITP-400-U12M, FITP-12MA
FIPT-400-25A-KIT = FITP-400-U25MA, FIPT-400-FC-SC-APC

SPECIFICATIONS

Video Inspection Probe

Size (L x W x H)	170 mm x 32 mm x 38.5 mm (without tip cap) 200 mm x 32 mm x 38.5 mm (with tip cap)
Weight	0.2 kg (0.44 lb)
Camera type	0.25 in CCD
Resolution	Theoretical < 2 µm, detection capability < 1 µm
Field of view	0.625 µm x 0.464 µm (low magnification) 0.412 µm x 0.316 µm (high magnification)
Light source	Blue LED
Lighting technique	Coaxial
Capture button ^a	Present on all models
Connector	EXFO probe port type (8 pin mini-DIN)
Focus control	Adjustable on the probe
Optical magnification	Adjustable, low and high (dual model only)

Fiber Probe Viewer

Size (L x W x H)	190 mm x 99 mm x 50 mm
Weight ^b	0.3 kg (0.66 lb)
LCD	3.5 in TFT active matrix (320 x 240 pixels)
Power	Rechargeable Li-Ion battery or AC adapter/charger 110 or 240 VAC-9VDC at 1 A
Battery life	3 hours (continuous use)
Charging time	4 hours
Connector	EXFO probe port type (8 pin mini-DIN)

USB Converter	USB 1.1 model	USB 2.0 model
Size (L x W x H)	90 mm x 36 mm x 20 mm	95 mm x 36 mm x 19 mm
Connectors	EXFO probe port type (8 pin mini-DIN)/USB	
Capture button	No	Yes

GENERAL SPECIFICATIONS

Temperature	
operating	-10 to 50 °C
storage	-40 to 70 °C
Relative humidity	0 % to 95 % non-condensing

ORDERING INFORMATION

PROBE

FIP-400-P-XX-XX

Model Adapter tips

FIP-400-P-SINGLE = video inspection probe
single magnification

FIP-400-P-DUAL = video inspection probe
dual magnification

Standard Accessories

- Video inspection probe (single or dual magnification)
 - FC-SC tip for bulkheads
 - U25M universal patchcord tip for 2.5 mm ferrules
 - Plastic case divided into various compartments for tips
- Example: FIP-400-P-SINGLE-FIPT-400-LC

NOTES

- a. Works with USB 2.0 adapter, FOT-930 and FTB-200
- b. Without battery
- c. See adapter tips list

DISPLAY

FIP-400-D

Model
FIP-400-D = Handheld display
Example: FIP-400-D

USB

FIP-400-USBX

Model
FIP-400-USB1 = USB1 converter with software,
compatible with FTB-400
FIP-400-USB2 = USB2 converter with software
Example: FIP-400-USB1

OPTIONAL ACCESSORIES

- FIPT-BOX = plastic case divided into various compartments for tips
- GP-1001 = rechargeable battery for handheld display
- GP-10-073 = soft carrying case for inspection probe, display and accessories

Rugged Handheld Solutions

OPTICAL — OTDRs — OLTSs — Power meters — Light sources — Talk sets	COPPER ACCESS — ADSL/ADSL2+, SHDSL, VDSL test sets — VoIP and IPTV test sets — Ethernet test sets — POTS test sets
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Platform-Based Solutions

OPTICAL FIBER — OTDRs — OLTSs — ORL meters — Variable attenuators	DWDM TEST SYSTEMS — OSAs — PMD analyzers — Chromatic dispersion analyzer	TRANSPORT AND DATACOM — Next-generation SONET/SDH and OTN testers — SONET/DSn (DS0 to OC-192) testers — SDH/PDH (64 kbit/s to STM-64) testers — T1/T3, E1 testers — 10/100 Mbit/s and Gigabit Ethernet testers — Fibre Channel testers — 10 Gigabit Ethernet testers
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EXFO Corporate Headquarters > 400 Godin Avenue, Quebec City (Quebec) G1M 2K2 CANADA | Tel.: 1 418 683-0211 | Fax: 1 418 683-2170 | info@EXFO.com

Toll-free: 1 800 663-3936 (USA and Canada) | www.EXFO.com

Region	Address	City	Country	Tel.	Fax
EXFO America	3701 Plano Parkway, Suite 160	Plano	TX 75075 USA	Tel: 1 800 663-3936	Fax: 1 972 836-0164
EXFO Europe	Omega Enterprise Park, Electron Way	Chandlers Ford	Hampshire S053 4SE ENGLAND	Tel: +44 2380 246810	Fax: +44 2380 246801
EXFO Asia	151 Chin Swee Road, #03-29 Manhattan House	SINGAPORE	169876	Tel: +65 6333 8241	Fax: +65 6333 8242
EXFO China	No. 88 Fuhua, First Road, Central Tower, Room 801 Futian District	Shenzhen	518048 P. R. CHINA	Tel: +86 (755) 8203 2300	Fax: +86 (755) 8203 2306
	Beijing New Century Hotel Office Tower, Room 1754-1755 No. 6 Southern Capital Gym Road	Beijing	100044 P. R. CHINA	Tel: +86 (10) 6849 2738	Fax: +86 (10) 6849 2662

EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices. In addition, all of EXFO's manufactured products are compliant with the European Unions WEEE directive. For more information, please visit www.EXFO.com/recycle. Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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