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
- 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
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.

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.
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

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**ADAPTER TIPS**

- **FIPT-400-ADAPTER**
  Adapter tip
- **FIPT-400-FC-SC-APC**
  FC and SC tip for APC bulkheads
- **FIPT-400-U25M**
  Universal patchcord tip for 2.5 mm ferrules
- **FIPT-400-ST**
  ST tip for bulkhead adapters
- **FIPT-400-U25MA**
  Universal patchcord tip for 2.5 mm APC ferrules
- **FIPT-400-LC**
  LC tip for bulkhead adapters
- **FIPT-400-U12M**
  Universal patchcord tip for 1.25 mm ferrules
- **FIPT-400-LC-APC**
  LC/APC tip for bulkhead adapters
- **FIPT-400-U12MA**
  Universal patchcord tip for 1.25 mm APC ferrules
- **FIPT-400-FC-SC**
  FC and SC PC tip for bulkhead adapters
- **FIPT-400-MTP**
  MTP tip for PC bulkheads
- **FIPT-400-MTPA**
  MTP tip for APC bulkheads
- **FIPT-400-E2000**
  E-2000 tip for bulkhead adapters
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
- FIP-400-P-SINGLE = video inspection probe
- FIP-400-P-DUAL = video inspection probe

Adapter tips (d)
- Single magnification
- Dual magnification

Standard Accessories
- Video inspection probe (single or dual magnification)
- FC/SC sp 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

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 and IQS-500
- FIP-400-USB2 = USB2 converter with software for PC

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

NOTES

a. Dual model only
b. Works with USB 2.0 adapter, POF-930 and FTB-200
c. Without battery
d. See adapter tips list
e. May require USB1 or USB2 depending on user’s PC

Fiber Inspection Probe

Size (L x W x H)
- without tip cap: 170 mm x 32 mm x 38.5 mm (6 11/16 in x 1 1/4 in x 1 1/2 in)
- with tip cap: 200 mm x 32 mm x 38.5 mm (7 3/4 in x 1 1/4 in x 1 1/2 in)

Weight: 0.2 kg (0.44 lb)

Resolution: Theoretical < 2 µm, detection capability < 1 µm

Field of view:
- low magnification: 0.625 µm x 0.464 µm
- high magnification: 0.412 µm x 0.316 µm

Light source: Blue LED

Lighting technique: Coaxial

Capture button: 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 (7 1/2 in x 3 7/8 in x 1 3/16 in)

Weight: 0.5 kg (0.66 lbs)

LCD: 3.5 in TFT active matrix (330 x 240 pixels)

Power: Rechargeable Li-Ion battery or AC adapter/charger

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):
- USB 1.1 model: 90 mm x 36 mm x 20 mm (3 9/16 in x 1 7/16 in x 3/4 in)
- USB 2.0 model: 95 mm x 36 mm x 19 mm (3 9/16 in x 1 7/16 in x 3/4 in)

Connectors: EXFO probe port type (8 pin mini-DIN)/USB

Capture button: Yes

NOTES

a. Dual model only
b. Works with USB 2.0 adapter, POF-930 and FTB-200
c. Without battery
d. See adapter tips list
e. May require USB1 or USB2 depending on user’s PC

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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. All of EXFO’s manufactured products are compliant with the European Union’s 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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