



ABN 43 064 478 842

➤ 231 osborne avenue clayton south, vic 3169
PO box 1548, clayton south, vic 3169
t 03 9265 7400 f 03 9558 0875
freecall 1800 680 680
www.tmgtestequipment.com.au

Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the “Click-to-Call” logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



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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

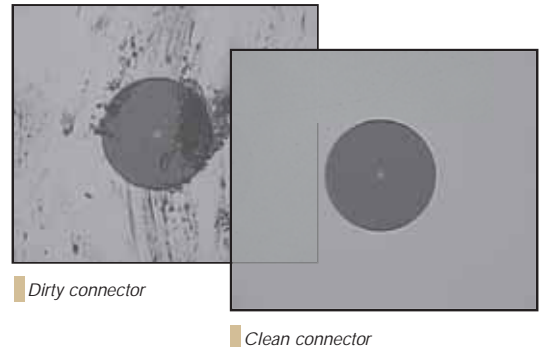
Zoom In on Clarity

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

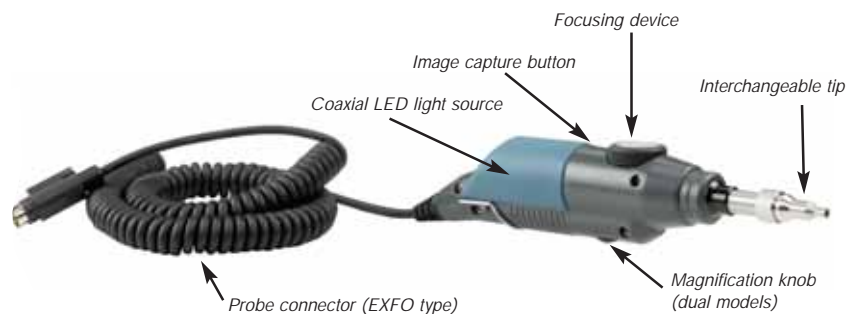


3.5" TFT LCD screen

Rechargeable Li-Ion battery

Adjustable brightness and contrast

VIDEO INSPECTION PROBE



Focusing device

Image capture button

Interchangeable tip

Coaxial LED light source

Probe connector (EXFO type)

Magnification knob (dual models)

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



AXS-200, AXS-110, FOT-930



FTB-200

FIP-400



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-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 APC tip for bulkhead adapters



FIPT-400-MTP
MTP tip for PC bulkheads



FIPT-400-MTPA
MTP tip for PC bulkheads

FIPT-400-LC-KIT = FIPT-400-LC, FIPT-400-LC-APC, FIPT-400-U12M, FIPT-12MA
FIPT-400-25A-KIT = FIPT-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 ^c

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 Handheld display
Example: FIP-400-D

USB

FIP-400-USBX

Model 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 | COPPER ACCESS |
| — OTDRs | — ADSL/ADSL2+, SHDSL, VDSL test sets |
| — OLTs | — VoIP and IPTV test sets |
| — Power meters | — Ethernet test sets |
| — Light sources | — POTS test sets |
| — Talk sets | |



Platform-Based Solutions

- | | | |
|------------------------|---------------------------------|--|
| OPTICAL FIBER | DWDM TEST SYSTEMS | TRANSPORT AND DATACOM |
| — OTDRs | — OSAs | — Next-generation SONET/SDH and OTN testers |
| — OLTs | — PMD analyzers | — SONET/DSn (DS0 to OC-192) testers |
| — ORL meters | — Chromatic dispersion analyzer | — SDH/PDH (64 kbit/s to STM-64) testers |
| — Variable attenuators | | — T1/T3, E1 testers |
| | | — 10/100 Mbit/s and Gigabit Ethernet testers |
| | | — Fibre Channel testers |
| | | — 10 Gigabit Ethernet testers |

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

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 SO53 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 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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