MaxTester 940/945 Telco OLTS

FULLY AUTOMATED FasTesT™ BIDIRECTIONAL MEASUREMENTS FOR INSERTION LOSS, OPTICAL RETURN LOSS AND FIBER LENGTH

KEY FEATURES

- Unmatched FasTesT™ performances: 100% automated bidirectional test at two wavelengths under 5 seconds
- 100% automated fiber inspection: one-step process with pass/fail analysis at both fiber ends
- On-board assistant and diagnosis to eliminate reference errors and negative loss
- Improved short fiber measurement
- On-board professional PDF reporting
- Bright, 7-inch high resolution touchscreen display—the biggest in the market

APPLICATIONS

- FTTx construction
- Telecommunications and outside plant networks testing
- Data centers
- Enterprise structured cabling

COMPLEMENTARY PRODUCTS

- Fiber Inspector Probe FIP-400B (WiFi or USB)
- Data Post-Processing Software FastReporter 2
- Cleaning Accessories

Feature(s) of this product is/are protected by one or more of: US design patent D764,328.
THE NEXT GENERATION OF AUTOMATED OLTS: MORE FEATURES, GREATER PERFORMANCE

Ever since its introduction in 1996, the patented FasTesT™ technology revolutionized the industry by fully automating the test sequence, saving countless hours of testing and troubleshooting in the field. Proven in thousands of diverse network deployments across the globe, FasTesT™ truly enables CAPEX/OPEX savings.

The MaxTester 940/945 (MAX-940/945) boasts a 7-inch touchscreen, the largest and most user-friendly display in the industry to simplify tasks for the technician. The MAX-940/945 also allows for 100 % automated fiber inspection at both ends of the fiber link. Paired with the FIP-400B automated fiber inspection probes and powered by FasTesT™, this OLTS brings the latest and the best in innovation and automation at your fingertips.

THE BENEFITS

Trustworthy Test Results

**Fully automated fiber inspection**

Fiber inspection is at the heart of ensuring that accurate references and measurements can be made. The MAX-940/945 integrates EXFO’s fully automated line of fiber inspection probes to assess and certify connector health within a few seconds. EXFO’s FIP-430B (USB) and FIP-435B (wireless) rely on elaborate algorithms that do the hard work for you to automatically center, focus, capture and analyze the connector image. No user intervention needed: achieve repeatable and accurate inspection, 100 % of the time.

**On-board step-by-step animated reference assistant**

Accurate and repeatable test results starts with proper test cord referencing. Accurate referencing greatly reduces common mistakes often encountered in the field. Thanks to the reference assistant’s animated and interactive interface this step of the testing sequence is now as simple and easy as it can be.

Test shorter links than ever before

Thanks to highly accurate optics, this OLTS can test with extreme precision short links with very low loss.

**EXFO’s patent-pending one-cord Simplex reference method**

Greatly reduces test uncertainty for greater test accuracy which is a key factor when testing short fiber links such as drop fibers in FTTH networks.
Test Efficiency

› FasTesT™: acquisition time in five seconds
› Online reporting—live from the field
› Maximum simplicity and fast-learning curve with on-board user assistance:
   › Port LED indicators: guide the user through the referencing and testing processes. LED indicators show the user on which optical port to connect the fiber and a beep indicates that the connection is established to confirm continuity.
   › On-board diagnosis: throughout the referencing and testing processes, the instrument delivers real-time information on the test cord health as well as pass/fail results according to pre-set or custom criteria. When performing testing, the instrument delivers diagnosis about the loss, length and can even identify the presence of a macrobend (refer to side picture).
   › Margin meters: indicate the result status as well as the margin according to preset thresholds.
› The MAX-940/945 includes a Test Again feature allowing the user to re-test bad fibers in three easy steps:
   1. Go back in test results
   2. Quickly and correctly identify the bad fiber by looking at the pass/fail status
   3. Press Test Again

Optimized Test Sequence

› Real-time continuity feature: The main and remote units emit visual and audible signals to let the technicians on both ends know that a connection has been established on the specific fiber under test. This also allows the technicians to start the test right away, saving time on each fiber tested.
› Text messaging capabilities: Allows users to send text messages through the fiber under test faster than other test sets in the industry.

![MaxTester 940/945 OLTS](image)
SMALL ENOUGH TO BE HANDHELD.
LARGE ENOUGH FOR FULL-SCREEN VIEWING.

TABLET-INSPIRED DESIGN

With a 7-inch, high-resolution touchscreen—the most efficient display in the industry—the MAX-940/945 OLTS delivers an unprecedented user experience. It features integrated WiFi/Bluetooth connectivity and instant boot up. The MAX-940/945 OLTS also ensures a full day of field work with 12 hours of battery autonomy and its internal memory capacity for 150,000 test results.

PACKAGED FOR EFFICIENCY

1. Stylus
2. FasTest™ singlemode port
3. High-power power meter (optional)
4. Visual fault locator (optional)
5. 10/100 Mbit/s Ethernet port
6. Two USB 2.0 ports
7. Standard power meter
8. AC adapter
9. LED indicators
10. Home/switch application and screen capture (hold)
11. Power on/off/stand by
12. Battery LED status
13. Built-in WiFi/Bluetooth (optional)
14. Stand support
KEEP YOUR CONNECTORS CLEAN.
KEEP YOUR NETWORK RUNNING SMOOTHLY.

AUTOMATION AT YOUR FINGERTIPS
In combination with EXFO’s automated fiber inspection probes and backed by FasTesT™, the MAX-940/945 OLTS allows for 100 % automated fiber inspection at both ends of the fiber link.

DISCOVER THE INDUSTRY’S FIRST FULLY AUTOMATED FIBER INSPECTION PROBE
Housing a unique automatic focus adjustment system, the FIP-400B automates each operation in the sequence of inspecting a connector endface. The result: fiber inspection is now a quick, one-step process that can be performed by technicians of all skill levels.

FIVE MODELS TO FIT YOUR BUDGET
- The FIP-430B: complete and fully automated feature set, includes the powerful fiber image-centering system, focus adjustment and optimization, and on-board pass/fail analysis.
- The FIP-435B: go one step further with the wireless probe. Includes all FIP-430B features.
- The semi-automated FIP-420B: same features as the FIP-430B, without the automated focus adjustment.
- The semi-automated FIP-425B: wireless version of the semi-automated FIP-420B.
- The FIP-410B: all basic inspection features needed for manual inspection only.

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>USB WIRED</th>
<th>WIRELESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three magnification levels</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Image capture</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Five-megapixel CMOS capturing device</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Automatic fiber image-centering function</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Automatic focus adjustment</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Onboard pass/fail analysis</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Pass/fail LED indicator</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>WiFi connectivity</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

POWERFUL CONNECTOR ENDFACE IMAGE VIEWING AND ANALYSIS SOFTWARE
- Automatic pass/fail analysis of the connector endfaces
- Lightning-fast results in seconds with simple one-touch operation
- Complete test reports for future referencing
- Stores images and results for recordkeeping

Notes
a. Models FIP-430B and FIP-435B.
b. Data sourced from EXFO’s case study, with calculation based on typical analysis time.
FAST TRACK DATA POST-PROCESSING WITH FastReporter 2 (OPTIONAL)

ONE SOFTWARE DOES IT ALL

This powerful reporting software is the perfect complement to your MAX-940/945 OLTS. It allows creating and customizing reports to fully address your needs. Being able to rely on a single software to manage all your data and generate all your reports for your entire optical-layer test applications is your best option for maximum efficiency. FastReporter 2 was designed to handle everything for you.

**Figure 5. FastReporter 2 takes care of all the documenting and reporting for you**

**Challenges**

**No. 1** Editing multiple measurement files
- Batch documenting
  - Document an entire project/cable
  - Manage separate measurements simultaneously
- Batch standardization
  - Adjust cable and fiber parameters
  - Add/remove OTDR events
  - Adjust detection thresholds
  - Perform manual measurements on OTDR files
  - Set pass/fail thresholds

**No. 2** Analyzing multiple measurement files
- Specialized analysis tool to:
  - Perform OTDR-iOLM bidirectional batch analysis
  - Detect duplicated measurements
  - Easily identify results that don’t meet network requirements
  - Apply new configurations, threshold and/or standards in batch

**No. 3** Documenting your network
- Flexibility
  - Various report templates and formats (PDF, Excel, HTML)
  - Report customization via Excel or Crystal Reports
  - Combined reports such as:
    - Fiber characterization (CD, PMD, OTDR and OLTS)
    - OTDR and fiber inspection (FIP)
    - iOLM and fiber inspection (FIP)
**POWER METER SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>Optional high power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detector type</td>
<td>InGaAs</td>
<td>GeX</td>
</tr>
<tr>
<td>Uncertainty b</td>
<td>±(5 % + 32 pW)</td>
<td>±(5 % + 10 nW)</td>
</tr>
<tr>
<td>Measurement range (dBm)</td>
<td>5 to −75</td>
<td>25 to −50</td>
</tr>
<tr>
<td>Wavelengths range (nm)</td>
<td>850, 1270, 1290, 1300, 1310, 1330, 1350, 1370, 1383, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610, 1625, 1650</td>
<td>850, 1300, 1310, 1490, 1550, 1625, 1650</td>
</tr>
<tr>
<td>Tone detection (Hz)</td>
<td>270/330/1000/2000</td>
<td>270/330/1000/2000</td>
</tr>
</tbody>
</table>

**SOURCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Output power (dBm) c</th>
<th>Multimode (850 nm/1300 nm): −25</th>
<th>SM1 (1310 nm/1550 nm): 2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM3 (1310 nm/1550 nm/1625 nm): 1 / −1 / −5</td>
<td>SM4 (1310 nm/1490 nm/1550 nm): 1 / −5 / −1</td>
<td></td>
</tr>
<tr>
<td>Output power stability (dB)</td>
<td>±0.05 over 8 hours</td>
<td></td>
</tr>
<tr>
<td>Spectral width (FWHM) (nm)</td>
<td>850 nm: 30 to 60</td>
<td>1300 nm: 100 to 150</td>
</tr>
</tbody>
</table>

**FastTesT™ SPECIFICATIONS**

| Testing speed c | FasTesT™ Simplex: 3 seconds (two wavelengths, bidirectional, automated, IL + fiber length) FasTesT™ Simplex: 6 seconds (three wavelengths, bidirectional, automated, IL + ORL + fiber length) |
| Wavelengths (nm) c | Multimode (LED) 850 ± 20 1300 ± 20 | Singlemode (Laser) 1310 ± 20 1490 ± 10 1550 ± 20 1625 ± 10 |
| Launch condition d | Encircled Flux (EF) compliance guaranteed at 50/125 μm multimode source port. Within TIA-526-14-B, ISO/IEC 14763-3 and IEC 61280-4-1 EF template limits at the end of an EXFO reference-grade 50/125 μm test cord. |
| Loss range (dB) e | Multimode: 20 | Singlemode Simplex: 45 | Singlemode Duplex: 50 |
| Length measurement range (km) f | Multimode: 20 | Singlemode: 200 |
| Length measurement uncertainty c | Duplex: ±(0.5 m + 0.5 % x length) | Singlemode: ±(1 m + 0.5 % x length) |
| ORL measurement range (dB) c, g | 50 |
| ORL measurement uncertainty (dB) c, g, h | ±1 |

**Notes**

a. All specifications valid at 23 °C ± 1 °C and 1550 nm, on batteries and after 15 minutes of warm up, unless otherwise specified.
b. Uncertainty is valid at calibration conditions.
c. Typical.
d. Measured at 850 nm with SC connector.
e. Typical value, at 850 nm for multimode and 1550 nm for singlemode.
f. At 1300 nm for multimode and 1550 nm for singlemode.
g. ORL measurement available on MAX-945 singlemode wavelengths only.
h. No discrete reflectance greater than −65 dB. Up to 45 dB.

**VISUAL FAULT LOCATOR (VFL) (OPTIONAL)**

- Laser, 650 nm ± 10 nm
- CW/Modulate 1 Hz
- Typical $P_{opt}$ in 62.5/125 μm: > −1.5 dBm (0.7 mW)
- Laser safety: Class 2

**LASER SAFETY**

- If VFL option is available

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**POWER METER SPECIFICATIONS**

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**SOURCE SPECIFICATIONS**

| Output power (dBm) c | Multimode (850 nm/1300 nm): −25 | SM1 (1310 nm/1550 nm): 2.5 |
| SM3 (1310 nm/1550 nm/1625 nm): 1 / −1 / −5 | SM4 (1310 nm/1490 nm/1550 nm): 1 / −5 / −1 |
| Output power stability (dB) | ±0.05 over 8 hours |
| Spectral width (FWHM) (nm) | 850 nm: 30 to 60 | 1300 nm: 100 to 150 |

**FastTesT™ SPECIFICATIONS**

| Testing speed c | FasTesT™ Simplex: 3 seconds (two wavelengths, bidirectional, automated, IL + fiber length) FasTesT™ Simplex: 6 seconds (three wavelengths, bidirectional, automated, IL + ORL + fiber length) |
| Wavelengths (nm) c | Multimode (LED) 850 ± 20 1300 ± 20 | Singlemode (Laser) 1310 ± 20 1490 ± 10 1550 ± 20 1625 ± 10 |
| Launch condition d | Encircled Flux (EF) compliance guaranteed at 50/125 μm multimode source port. Within TIA-526-14-B, ISO/IEC 14763-3 and IEC 61280-4-1 EF template limits at the end of an EXFO reference-grade 50/125 μm test cord. |
| Loss range (dB) e | Multimode: 20 | Singlemode Simplex: 45 | Singlemode Duplex: 50 |
| Length measurement range (km) f | Multimode: 20 | Singlemode: 200 |
| Length measurement uncertainty c | Duplex: ±(0.5 m + 0.5 % x length) | Singlemode: ±(1 m + 0.5 % x length) |
| ORL measurement range (dB) c, g | 50 |
| ORL measurement uncertainty (dB) c, g, h | ±1 |

**Notes**

a. All specifications valid at 23 °C ± 1 °C and 1550 nm, on batteries and after 15 minutes of warm up, unless otherwise specified.
b. Uncertainty is valid at calibration conditions.
c. Typical.
d. Measured at 850 nm with SC connector.
e. Typical value, at 850 nm for multimode and 1550 nm for singlemode.
f. At 1300 nm for multimode and 1550 nm for singlemode.
g. ORL measurement available on MAX-945 singlemode wavelengths only.
h. No discrete reflectance greater than −65 dB. Up to 45 dB.
### ENVIRONMENTAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>Operating: –10 °C to 50 °C (14 °F to 122 °F)</td>
</tr>
<tr>
<td></td>
<td>Storage: –30 °C to 70 °C (–22 °F to 158 °F)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>0 % to 95 % non-condensing</td>
</tr>
</tbody>
</table>

### GENERAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>7-in (178-mm) outdoor-enhanced touchscreen, 800 x 480 TFT</td>
</tr>
<tr>
<td>Size (H x W x D)</td>
<td>166 mm x 200 mm x 68 mm (6 ¾ in x 7 ¾ in x 2 ¾ in)</td>
</tr>
<tr>
<td>Weight (with battery)</td>
<td>1.5 kg (3.3 lb)</td>
</tr>
<tr>
<td>Interfaces</td>
<td>Two USB 2.0 ports</td>
</tr>
<tr>
<td></td>
<td>RJ45 LAN 10/100 Mbit/s</td>
</tr>
<tr>
<td></td>
<td>Optional WiFi/Bluetooth</td>
</tr>
<tr>
<td>Storage</td>
<td>2 GB internal memory (150 000 test results, typical)</td>
</tr>
<tr>
<td>Battery</td>
<td>Rechargeable lithium-polymer battery</td>
</tr>
<tr>
<td></td>
<td>12 hours of operation</td>
</tr>
<tr>
<td>Power supply</td>
<td>Power supply AC/DC adapter, input 100-240 VAC, 50-60 Hz</td>
</tr>
<tr>
<td>Warranty</td>
<td>Three (3) years</td>
</tr>
<tr>
<td>Recommended recalibration period</td>
<td>Three (3) years</td>
</tr>
</tbody>
</table>

**Notes**

a. –20 °C to 60 °C (–4 °F to 140 °F) with the battery pack.

b. Typical.
### Ordering Information

**Model**

MAX-940 = OLTS

**Optical Configuration**

SM1 = Singlemode 1310/1550 nm, IL

**Connector**

- EI-EUI-28 = UPC/DIN 47256
- EI-EUI-89 = UPC/FC narrow key
- EI-EUI-90 = UPC/ST
- EI-EUI-91 = UPC/SC
- EI-EUI-95 = UPC/E-2000
- EI-EUI-98 = UPC/LC
- EA-EUI-28 = APC/DIN 47256
- EA-EUI-89 = APC/FC narrow key
- EA-EUI-91 = APC/SC
- EA-EUI-95 = APC/E-2000
- EA-EUI-98 = APC/LC

**VFL and Power Meter**

- 00 = Without VFL and power meter
- VFL = With VFL
- PM2X = With power meter; GeX detector
- VPM2X = With VFL and power meter; GeX detector

**WiFi and Bluetooth**

- 00 = Without RF components
- RF = With RF capability (WiFi and Bluetooth)

**Inspection Probe Model**

- 00 = Without inspection probe
- FP410B = Digital video inspection probe
- FP420B = Analysis digital video inspection probe
  - Automated pass/fail analysis
  - Triple magnification
  - Autocentering
- FP425B = Wireless digital video inspection probe
  - Automated pass/fail analysis
  - Triple magnification
  - Autocentering
- FP430B = Automated analysis digital video inspection probe
  - Automated focus
  - Automated pass/fail analysis
  - Triple magnification
  - Autocentering
- FP435B = Wireless analysis digital video inspection probe
  - Automated focus
  - Automated pass/fail analysis
  - Triple magnification
  - Autocentering

### Extra FIP-400B Tips

**Bulkhead Tips**

- FIPT-400-FC-APC = FC/APC tip for bulkhead adapter
- FIPT-400-FC-SC = FC and SC tip for bulkhead adapter
- 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
- 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
- FIPT-400-U25MA = Universal patchcord tip for 2.5 mm ferrules APC

**Multifiber Tips**

- FIPT-400-MTP2 = MTP/MPO UPC tip for bulkhead adapter
- FIPT-400-MTPA2 = MTP/MPO APC tip for bulkhead adapter
- FIPT-400-MTP-MTR = MTP/MPO multrow UPC tip for bulkhead adapter
- FIPT-400-MTP-MTRA = MTP/MPO multrow APC tip for bulkhead adapter

**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-LC-K-APC = LC tip kit including:
  - FIPT-400-LC-APC: LC/APC tip for bulkhead adapter
- FIPT-400-LC-K-UPC = LC tip kit including:
  - FIPT-400-LC: LC tip for bulkhead adapters
- FIPT-400-LC-K-UPC = LC tip kit including:
  - FIPT-400-LC: LC tip for bulkhead adapters
- FIPT-400-U12MA = Universal patchcord tip for 1.25 mm ferrules
- FIPT-400-U25M = Universal patchcord tip for 2.5 mm ferrules
- FIPT-400-U25MA = Universal patchcord tip for 2.5 mm ferrules APC
- FIPT-400-U25MA = Universal patchcord tip for 2.5 mm ferrules APC

### Base Tips

- APC = Includes FIPT-400-U25MA and FIPT-400-SC-APC
- UPC = Includes FIPT-400-U25M and FIPT-400-FC-SC

**Example:** MAX-940-SM1-EI-EUI-89-VFL-RF-FP435B-UPC

### Notes

- a. Power meter connector type is the same as the EUI connector type.
- b. Includes ConnectorMax2 software.
- c. RF option mandatory and included with this model.
- d. 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 adapters 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.
- e. Included when APC base tips are selected.
- f. Included when APC base tips are selected.
- g. Includes a bulkhead adapter for patchcord inspection.
EXFO is certified ISO 9001 and attests to the quality of these products. 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 prices at any time without obligation. Units of measurement in this document conform to SI standards and availability or to obtain the phone number of your local EXFO distributor.

For the most recent version of this spec sheet, please go to www.EXFO.com/specs.

In case of discrepancy, the web version takes precedence over any printed literature.

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**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Model</th>
<th>MAX-945-OLTS</th>
</tr>
</thead>
</table>
| Optical configuration | SM1 = Singlemode 1310/1550 nm, IL and ORL  
SM3 = Singlemode 1310/1550/1625 nm, IL and ORL  
SM4 = Singlemode 1310/1490/1550 nm, IL and ORL  
ICERT-Q1-QUAD = Quad  
Port 1: 850/1300 nm IL and length measurement  
Port 2: 1310/1550 nm IL, length and ORL measurement |
| Connector | EA-EUI-28 = APC/DIN 47256  
EA-EUI-89 = APC/FC narrow key  
EA-EUI-91 = APC/SC  
EA-EUI-95 = APC/E-2000  
EA-EUI-98 = APC/LC  
EA-EU-11 = APC/LC  
EA-EUI-88 = APC/LC  
EA-EU-11 = APC/LC  |
| VFL and power meter | VFL = With VFL  
PM2X = With power meter; GeX detector  
VPM2X = With VFL and power meter; GeX detector  
200 = Without VFL and power meter |
| WiFi and Bluetooth | 00 = Without RF components  
RF = With RF capability (WiFi and Bluetooth) |
| Inspection probe model | FP410B = Digital video inspection probe  
Triple magnification  
FP420B = Analysis digital video inspection probe  
Automated pass/fail analysis  
Triple magnification  
Auto-centering  
FP425B = Wireless digital video inspection probe  
Automated pass/fail analysis  
Triple magnification  
Auto-centering  
FP430B = Automated analysis digital video inspection probe  
Automated focus  
Automated pass/fail analysis  
Triple magnification  
Auto-centering  
FP435B = Wireless analysis digital video inspection probe  
Automated focus  
Automated pass/fail analysis  
Triple magnification  
Auto-centering |
| Extra FIP-400B tips | Bulkhead tips  
FIPT-400-FC-APC = FC/APC tip for bulkhead adapter  
FIPT-400-FC-SC = FC and SC tip for bulkhead adapter  
FIPT-400-LC-APC = LC/APC tip for bulkhead adapter  
FIPT-400-LC-UCP = LC/UCP tip for bulkhead adapter  
FIPT-400-MP2 = MTP/MPO APC tip for bulkhead adapter  
FIPT-400-SC-APC = SC/APC tip for bulkhead adapter  
FIPT-400-ST = ST tip for bulkhead adapter  
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FIPT-400-U20M2 = Universal patchcord tip for 2.0 mm ferrules (D4, Lemo)  
FIPT-400-U25M = Universal patchcord tip for 2.5 mm ferrules  
FIPT-400-U25MA = Universal patchcord tip for 2.5 mm ferrules APC  
Multifiber tips  
FIPT-400-MTP2 = MTP/MPO UPC tip for bulkhead adapter  
FIPT-400-MTP2A = MTP/MPO APC tip for bulkhead adapter  
FIPT-400-MTP-MTR = MTP/MPO multilow APC tip for bulkhead adapter  
FIPT-400-MTP-MTRA = MTP/MPO multilow APC tip for bulkhead adapter  
Tip kits  
FIPT-400-LC-K = LC tip kit including:  
FIPT-400-UC-K = UC tip kit including:  
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-U12MA = Universal patchcord tip for 1.25 mm ferrules APC  
FIPT-400-U12MA = Universal patchcord tip for 1.25 mm ferrules APC  
FIPT-400-U12MA = Universal patchcord tip for 1.25 mm ferrules APC  
FIPT-400-U12MA = Universal patchcord tip for 1.25 mm ferrules APC  
FIPT-400-MTP-MTR-K = MTP/MPO multilow APC and UCP tip for bulkhead adapter  
Base tips  
APC = Includes FIPT-400-U25MA and FIPT-400-SC-APC  
UPC = Includes FIPT-400-U25M and FIPT-400-FC-SC  |

Example: MAX-945-SM1-E1-EUI-89-VFL-RF-FP435B-UPC

Notes

a. Connector adapters are the same on singlemode source ports, multimode source ports and power meter ports. Multimode connectors are always UPC.
b. Includes ConnectorMax2 software.
c. RF option mandatory and included with this model.
d. 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 adapters and kits to cover many more connector types and different applications. Please contact your local EXFO sales representative or visit www.EXFO.com/FITips for more information.
e. Included when UPC base tips are selected.
f. Included when APC base tips are selected.
g. Includes a bulkhead adapter for patch cord inspection.

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