

Exfo Fiber Optic End Face Inspection Instrument



AI Overview

The EXFO FIP-500 is a fully automated, AI-driven fiber optic inspection scope designed for fast, accurate, and repeatable end-face analysis of single-fiber, duplex, and multi-fiber connectors.

Key Features

- Fully Automated Inspection:** The FIP-500 performs zero-button testing, automatically detecting, focusing, centering, capturing, analyzing, and saving results without manual intervention, delivering pass/fail outcomes in under 10 seconds for MPO-12 connectors and even faster for single fibers.
- Connector Compatibility:** Supports a wide range of connectors including LC, SC, ST, OptiTap®, OptiTip®, MPO, LC duplex, SN, CS, and Q-ODC duplex. It can automatically detect MPO layouts up to 4 rows of 8, 12, or 16 fibers.
- AI-Driven End-Face Analysis:** Utilizes advanced image capture techniques and AI algorithms to ensure precise, repeatable inspection results, compliant with IEC standards.
- Ergonomic and User-Friendly Design:** Features a touchscreen GUI for intuitive operation, a long-reach design for dense fiber environments, and a quick-connect quarter-turn tip system for easy swapping between connector types.
- Battery and Memory:** Equipped with a long-lasting Lithium-Polymer battery capable of supporting a full day of continuous use. Internal memory can store up to 10,000 single-fiber results or 1,800 MPO test results, with Bluetooth connectivity for easy data sharing.
- Workflow Integration:** Results can be managed and reported via the EXFO Exchange platform, enabling efficient job tracking and documentation.

Practical Applications

The FIP-500 is ideal for field technicians working in FTTx, FTTH, hybrid networks, DAS, and telecom tower environments, where rapid, reliable inspection of fiber end faces is critical. Its automation reduces human error, accelerates testing, and lowers the total cost of ownership by minimizing downtime and manual handling.

Advantages Over...

Article Content

Endface Inspection-DIMENSION

Optical fiber end-face inspection and cleaning are important steps to ensure the quality of optical fiber communication. Since contamination or damage to the

EXFO Test Equipment

Fastest inspection in the industry for both single-fiber and multi-fiber connectors, with the most reliable results. Self-contained, fully automated tool for zero-button

Products

Products At EXFO, our products help you deliver top-notch services with speed and quality. Our high-performance, easy-to-use solutions are designed to address your needs, quickly and effectively

Fiber Endface Inspection – connectors, bare fiber ends,

Various instruments are used for inspecting bare or connectorized fiber endfaces: fiber microscopes, videoscopes and interferometric analyzers.

How to use EXFO FIP-420B Probe with EXFO MAX-730C OTDR

In this video, we provide a complete practical guide on using the EXFO FIP-420B Fiber Inspection Probe with the EXFO MaxTester MAX-730C-EA-SM1 OTDR for accurate fiber optic inspection and...

EXFO Introduces Fastest Fiber Inspection Scope for

Technicians need fast, accurate and convenient fiber end-face testing for the many hundreds of thousands of multi-fiber connectors embedded in

Fiber Inspection. Fiber Optic Inspection Scope and Probe

Fiber Optic Inspection Fiber Inspection is the practice of viewing the end face of a fiber optic connector by use of an optical microscope. The primary reason for

EXFO Fiber Inspection Probe FIP-400B : Caspin Verna

This intelligent and automated test tool transforms fiber inspection into a faster and simplified one-step process providing accurate and consistent test results, and

Fiber Inspection Equipment and Test and Inspection Equipment

Handheld inspection scopes, probe kits and adaptors from EXFO and Kingfisher. Contamination is the #1 reason to troubleshoot optical networks, so you need to actively viewing the end face of a fibre

Fiber inspection | Fiber equipment

Industry's first AI-driven endface analysis for simplex, duplex and multi-fiber connectors. Delivers reliable and repeatable results with a self-contained, fully automated tool for zero-button testing all day—no

Network test, monitoring and analytics experts | EXFO

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Connector Inspection and Maintenance

To properly inspect the connector end-face, it is recommended to use a microscope that is specially designed for the fiber-optic connector end-face. There are many types of inspection tools on the

All-in-one Fiber Optic End-face Inspection Scope, IV200M

The inspection microscope can separately inspect fiber optic transceivers, receivers and themselves. This type of inspection is ideal for overall inspection of C-MF

EXFO FIP-435B Wireless Fiber Inspection Scope

EXFO Manufacturer Part Number FIP-435B-APC Product Series EXFO FIP-400B Series Fiber Inspection Probe Product Type Fiber Inspection Scopes Size / Operation Handheld Case Included

EXFO FIP-500 Fiber Inspection Scope | Test Equipment

The industry's fastest, self-contained, fully automated inspection scope for single fibre and multifibre connectors.

How to use EXFO FIP-420B Probe with EXFO MAX-730C OTDR | Fiber End Face ...

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EXFO, Fluke, Viavi Fiber Inspection Scopes

We stock a large selection of EXFO, Viavi Fluke fiber scopes at affordable prices. Inspect a range of fiber end-faces including APC & PC bulkheads and patchcords.

Inspection Probes

The P5000i makes it fast and easy to test and inspect fibre optic end faces. This intelligent fibre microscope removes the subjectivity from fibre inspection and

EXFO Test Equipment

The EXFO Test Equipment from Fiber Instrument Sales supports professional fiber optic network installation, telecom infrastructure, and data center builds.

Contact Us

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