

EXFO

FIP-400

The EXFO FIP-400 is a dual-magnification fiber optic video inspection probe designed to analyze the cleanliness and integrity of connector endfaces. Offering 200x and 400x optical magnification, this probe is compatible with EXFO handheld test instruments as well as PCs via an optional USB adapter, ensuring detailed inspection of defects and scratches down to sub-micron levels.

SPECIFICATIONS

General

Interfaces	8-pin mini-DIN (analog); USB 2.0 (via optional FIP-400-USB2 adapter)
Display	None (uses host platform or PC display)
Regulatory Compliance	CE, RoHS, WEEE

Physical

Power Supply	Powered directly by host EXFO instrument or USB interface (5 VDC)
Operating Temperature	-10 to 50 °C °C
Dimensions (W×H×D)	45 mm × 47 mm × 185 mm mm
Weight	0.3 kg kg

Optical & Imaging Performance

Magnification Levels	200x and 400x (selectable via hardware switch)
Camera Sensor Type	1/3 in CCD
Light Source Type	Blue LED
Field of View (200x)	625 µm × 464 µm
Field of View (400x)	312 µm × 232 µm
Minimum Detectable Scratch Size	0.5 µm
Minimum Detectable Particle Size	1 µm
Focus Control Type	Manual focus wheel

Fiber & Connector Compatibility

Supported Fiber Types	Single-mode and multimode
Endface Compatibility	UPC and APC (Angled Physical Contact)
Bulkhead Tip Compatibility	FC, SC, ST, LC, MU, E2000, and others via interchangeable tips
Patchcord Tip Compatibility	Universal 1.25 mm and 2.5 mm adapters

Connectivity & Host Platform Support

Compatible EXFO Test Platforms	FTB-1, FTB-200, FTB-500, AXS-100, AXS-110, FOT-930
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Physical & Ergonomic Characteristics

Probe Cable Length	2 m
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Environmental Specifications

Storage Temperature Range	-40 to 70 °C
Relative Humidity Limits	0% to 95% (non-condensing)

Interfaces & Connectivity

Probe Connector Type	8-pin mini-DIN
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Performance

Video Output Format	NTSC or PAL (analog model-dependent)
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Software & Control

Analysis Software	ConnectorMax / ConnectorMax2 (platform/PC dependent)
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Connectivity

USB Adapter Compatibility	FIP-400-USB2 (for connection to PC/laptop)
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Mechanical

Tip Interchangeability	Universal thread-on mechanism with retaining nut
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TECHNOLOGY

Fiber Optic Video Inspection

APPLICATIONS

Fiber optic connector endface quality inspection and verification

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.