

**Aumictech**

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Data Sheet

August 12, 2026

JDSU

JDSU FBP-SM03 Dual Magnification Fiber Inspection Probe

The JDSU FBP-SM03 is a dual magnification fiber inspection probe designed for inspecting fiber optic connectors. It features a 2.5mm universal adapter and provides clear images of fiber end-faces, enabling technicians to quickly identify and address contamination or damage. This tool is essential for maintaining optimal performance in fiber optic networks.



MODEL

JDSU FBP-SM03

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FBP-SM03

LISTING

<https://aumictechlabs.com/products/fbp-sm03-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU FBP-SM03 is a handheld dual magnification fiber inspection probe for visual examination of fiber optic connector end-faces. It delivers 200X and 400X magnification with submicron resolution, enabling technicians to identify contamination, defects, and damage critical to network performance. The probe operates with manual focus adjustment and blue LED coaxial illumination, connecting directly to JDSU HD-series displays or via USB analog-to-digital converter to PCs and test platforms for image capture and analysis. Its compact, ergonomic design enables one-handed inspection in confined spaces - behind patch panels, within hardware enclosures, and at awkward angles. Technical Specifications Magnification: 200X (low), 400X (high), selectable Field of View (200X): 714 μ m horizontal $\times$ 535 μ m vertical Field of View (400X):

460 μm horizontal $\times$ 345 μm vertical Resolution: Better than 1 μm Sensor: 1/3-inch CMOS, 1,280 $\times$ 1,024 pixels, black and white Illumination: Blue LED, coaxial, 100,000+ hour life Focus: Manual, adjustable in-probe Video Output: NTSC or PAL Probe Dimensions: 140 $\times$ 46 $\times$ 43 mm Probe Weight: 110 g; full system with display: 180 g Cord Length: 240 cm Probe Connector: 4-pin Hirose™ male Power: Supplied by connected display device or USB module

Key Features Dual magnification switching for broad and detailed inspection modes Over 250 interchangeable precision stainless-steel tips and adapters for SC, LC, U25, and other connector types Supports simplex and multi-fiber ribbon connectors; compatible with both bulkhead (female) and patch cord (male) configurations Submicron resolution for defect detection and contamination analysis Portable form factor with extended 240 cm cord for remote access

Typical Applications Pre- and post-splice connector end-face verification Contamination and damage assessment in active networks. Field troubleshooting of optical path degradation. Hardware and enclosure connector inspection in confined spaces.

Compatibility & Integration Display: JDSU HD-series (HD1, HD2, HD3, HP3-60) via 4-pin Hirose connector. USB/PC: FBPP-USB3 converter (4-pin probe) for PC/laptop operation with FiberChek™ software. Test Platforms: JDSU T-BERD/MTS via USB analog-to-digital converter.

Features & description

From manufacturer datasheet

Features

• Probe family: FBP series dual magnification • Magnification class: 200/400X (dual-mag FBP family) • Camera class: 1/3-in CMOS • Lighting: coaxial blue LED • Focus: in-probe adjustable • FOV class: 550 µm @ 200X; 350 µm @ 400X • Compatible tip ecosystem: FBPT simplex, APC, RibbonDrive, etc. • Size/weight class (FBP family): ~46 × 43 × 140 mm; ~180 g

Applications

• Dual-magnification fiber end-face inspection • Bulkhead and patch-cord interconnect inspection • Pairing with HP3 / display systems and FBPT tips

FBPSM03 Characteristics / Specifications

PARAMETER	VALUE
Model	FBP-SM03
Manufacturer	JDSU
Instrument Type	Dual Magnification Fiber Inspection Probe
Alias	FBP-SM03; JDSU FBP-SM03
Magnification	200/400X dual
Family	FBP
FOV 200X	550 μm
FOV 400X	350 μm Notes FBP-SM03 is adual-mag inspection probe SKU; detailed connector pinout may vary vs P/PX catalog rows. Confirm video format (NTSC/PAL), pin count, and included tips on the unit.
Probe family	FBP series dual magnification
Magnification class	200/400X (dual-mag FBP family)
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FOV class	550 μm @ 200X; 350 μm @ 400X
Compatible tip ecosystem	FBPT simplex, APC, RibbonDrive, etc.
Size/weight class (FBP family)	~46 × 43 × 140 mm; ~180 g

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

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Notes
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.