

**Aumictech**

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Data Sheet

August 12, 2026

JDSU

JDSU FBP-P1 Video inspection probe microscope, NTSC, 200X, 4-pin out

The JDSU FBP-P1 is a video inspection probe microscope designed for inspecting fiber optic connectors. It features NTSC video output, a 200X magnification lens, and a 4-pin video output connector. This probe is ideal for ensuring clean and reliable fiber connections.



MODEL

JDSU FBP-P1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FBP-P1

LISTING

<https://aumictechlabs.com/products/fbp-p1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU FBP-P1 is an analog video inspection probe microscope engineered for detailed examination of fiber optic connector end faces. Built around a 1/3-inch CMOS sensor and blue coaxial LED illumination, it delivers 200X magnification with a 550 μ m horizontal field of view. The probe features in-probe focus adjustment and operates via NTSC video output through a 4-pin Hirose™ connector. Its handheld design and 240 cm cable enable inspection of hard-to-reach connectors without hardware disassembly.

Technical Specifications

Magnification: 200X
Sensor: 1/3-inch CMOS
Video Standard: NTSC
Field of View: 550 μ m (horizontal) at 200X
Illumination: Blue coaxial LED, 100,000+ hour lifespan
Video Connector: 4-pin Hirose™ male
Cable Length: 240 cm (94 inches)
Dimensions: 140 × 46 × 43 mm (5.5 × 1.8 × 1.7 inches)
Weight: 110 g (3.9 oz)
Power Source: Display device or USB module

Key Features

Single-magnification 200X optics with fixed focal length adjustment
Ergonomic handheld grip designed for extended field inspection

Coaxial LED delivers coplanar illumination eliminating connector reflection artifacts Integrated focus control - no external adjustment required Compact form factor compatible with restricted access environments Typical Applications Single-fiber connector inspection and cleanliness verification End-face defect identification and documentation Connector geometry validation prior to mating Field and factory quality control operations Compatibility & Integration The FBP-P1 integrates with JDSU HD-series analog displays, T-BERD/MTS/TestPad optical test platforms, and PC/laptop systems via USB analog-to-digital conversion. The probe accepts interchangeable precision stainless-steel inspection tips and adapters configured for bulkhead, patch cord, APC, and multi-fiber ribbon connector geometries.

Features & description

From manufacturer datasheet

Features

- Coaxial blue LED illumination for crisp end-face contrast
- In-probe focus control for one-hand operation
- Interchangeable FBPT precision tips (250+ tip/adaptor ecosystem)
- Compatible with JDSU HP3 / HD3 class displays and USB converters
- Barrel assembly included for standard tip mating
- Ergonomic handheld form for backside panel work

Applications

- Inspect bulkhead (female) fiber adapters in patch panels
- Inspect patch cord (male) connectors before mate
- Inspect transceiver and hard-to-reach optical device ports
- Multi-fiber / ribbon inspection with RibbonDrive FBPT tips
- Field and central-office fiber interconnect quality control

FBPP1 Characteristics / Specifications

PARAMETER	VALUE
Model	FBP-P1
Manufacturer	JDSU
Instrument Type	Fiber Inspection Probe Microscope
Alias	FBP-P1; JDSU FBP-P1; Westover FBP-P1
Optical magnification	200X
Video format	NTSC
Output connector	4-pin Hirose
USB on probe	no
Barrel assembly included	yes
Camera	1/3-in CMOS
Light source	blue LED, internal
LED life	100000+ hours
Lighting technique	coaxial
Focus control	adjustable, in-probe
Power source	display device / USB port (configuration-dependent)
Horizontal FOV at 200X	550 um
Horizontal FOV at 400X	350 um
Dimensions	46 × 43 × 140 mm
Weight	180 g
Warranty class	1 year (family datasheet) Notes Specs from JDSU FBP Probe Microscope data sheet (FBP-P1 ordering row). Confirm included FBPT tips and display cable on the unit.

FBPP1 Specifications

PARAMETER	VALUE
Key Features	- Coaxial blue LED illumination for crisp end-face contrast
Technical Specifications	Model: FBP-P1
Notes	Specs from JDSU FBP Probe Microscope data sheet (FBP-P1 ordering row). Confirm included FBPT tips and display cable on the unit.

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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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

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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.