

**Aumictech**

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Data Sheet

August 12, 2026

JDSU

JDSU FBP-PX1 Video inspection probe microscope, NTSC, 200X, 4-pin out, no barrel assembly

The JDSU FBP-PX1 is a video inspection probe microscope designed for inspecting fiber optic connectors. It features an NTSC video output, 200X magnification, and a 4-pin output. Barrel assembly is not included.



MODEL

JDSU FBP-PX1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FBP-PX1

LISTING

<https://aumictechlabs.com/products/fbp-px1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU FBP-PX1 is a handheld analog video microscope for inspecting fiber optic connectors and optical devices. This 200X magnification probe delivers real-time NTSC video output via a 4-pin Hirose connector, enabling inspection of male patch cords, female bulkhead connectors, and transceivers in confined spaces without hardware disassembly. Coaxial blue LED illumination with a lifespan exceeding 100,000 hours provides consistent end-face visibility. Manual focus adjustment on the probe body controls live image sharpness. The probe measures 140 × 46 × 43 mm, weighs 110 g, and connects to JDSU test platforms, HD-series analog displays, or PC/laptop systems via USB converter modules. Power is supplied through the connected display device or external USB module. Technical Specifications Magnification: 200X optical Camera: 1/3-inch

CMOS sensor Video Output: NTSC Light Source: Blue LED, >100,000 hour lifespan Illumination: Coaxial Connector: 4-pin circular Hirose with notch-keys Field of View (horizontal): 550 μ m at 200X Probe Dimensions: 140 $\times$ 46 $\times$ 43 mm (5.5 $\times$ 1.8 $\times$ 1.7 inches) Weight: 110 g (3.9 oz) Cord Length: 183 cm or 240 cm configurations available Focus Control: Manual, located on probe Power Source: Display device or USB module Key Features Coaxial illumination for artifact-free fiber end-face imaging Compact handheld design for ergonomic operation in restricted access areas 4-pin Hirose connector ensures secure, repeatable mating to compatible interfaces Manual focus mechanism provides real-time adjustment of live video Blue LED light source eliminates replacement costs during extended inspection campaigns Typical Applications Single-mode and multimode fiber optic connector inspection Male and female connector end-face analysis Optical transceiver port examination Field termination and splicing verification Compatibility & Integration Compatible with JDSU optical test platforms including T-BERD and MTS systems via USB converter module Supports connection to PC/laptop with FiberChek software via USB converter module Direct integration with JDSU HD-series analog displays featuring 4-pin probe input Designed for use with interchangeable inspection tips (barrel assembly sold separately)

Features & description

From manufacturer datasheet

Features

• Magnification: 200X • Video format: NTSC • Connector: 4-pin Hirose • Barrel assembly: not included (PX1 configuration) • Camera: 1/3-in CMOS • Light: blue coaxial LED, 100,000+ hours • Focus: in-probe adjustable • Power: from display device • Size class: 46 × 43 × 140 mm; weight 180 g • Horizontal FOV @ 200X: 550 μm • Tip ecosystem: FBPT simplex, APC, long-reach, RibbonDrive, etc.

Applications

• Fiber connector end-face inspection (bulkhead and patch cord) • NTSC display systems • Probe builds where barrel assembly is supplied separately or already on hand

FBPPX1 Characteristics / Specifications

PARAMETER	VALUE
Model	FBP-PX1
Manufacturer	JDSU
Instrument Type	Fiber Inspection Probe Microscope
Alias	FBP-PX1; JDSU FBP-PX1
Magnification	200X
Format	NTSC
Output	4-pin Hirose
Barrel	not included
FOV 200X	550 µm
Weight	180 g Notes Specs from JDSU FBP Probe Microscope data sheet (FBP-PX1 row). Confirm tips and display cabling; barrel sold/assembled separately for PX1.
Video format	NTSC
Connector	4-pin Hirose
Barrel assembly	not included (PX1 configuration)
Camera	1/3-in CMOS
Light	blue coaxial LED, 100,000+ hours
Focus	in-probe adjustable
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FBPPX1 Specifications

PARAMETER	VALUE
Key Features	- Magnification: 200X
Technical Specifications	Model: FBP-PX1
Notes	Specs from JDSU FBP Probe Microscope data sheet (FBP-PX1 row). Confirm tips and display cabling; barrel sold/assembled separately for PX1.

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

Specifications

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Model	FBP-PX1
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Specs from JDSU FBP Probe Microscope data sheet (FBP-PX1 row). Confirm tips and display cabling; barrel sold/assembled separately for PX1.

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.