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**Data Sheet**

August 13, 2026

JDSU

# JDSU FBP-PX100 Video inspection QuickCapture probe microscope, NTSC, 200X, 6-pin out w/o USB/barrel

The JDSU FBP-PX100 is a video inspection QuickCapture probe microscope designed for inspecting fiber optic connectors. It features an NTSC video output, 200X magnification, and a 6-pin output connector. This model does not include USB or barrel connector.



MODEL

**JDSU FBP-PX100**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**FBP-PX100**

LISTING

<https://aumictechlabs.com/products/fbp-px100-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The JDSU FBP-PX100 is a video inspection probe microscope engineered for detailed examination of fiber optic connectors and optical devices. Delivering NTSC video output at 200X magnification, this handheld instrument provides clear visualization of fiber end faces with approximately 550  $\mu\text{m}$  horizontal field-of-view. A 1/3-inch CMOS sensor paired with internal blue LED illumination (>100,000 hour lifespan) and coaxial lighting geometry enables precise connector inspection in confined spaces. The integrated QuickCapture™ button captures images directly to compatible JDSU display units or PC platforms via USB conversion. Technical Specifications Video Output: NTSC Magnification: 200X fixed Sensor: 1/3-inch CMOS Light Source: Blue LED, internal, >100,000 hour lifespan Illumination: Coaxial Horizontal Field-of-View

(200X): Approximately 550  $\mu\text{m}$  Focus Control: Adjustable, probe-mounted Dimensions: 46 × 43 × 140 mm (1.8 × 1.7 × 5.5 in) Weight: 180 g (6.35 oz) Output Connector: 6-pin Power: Supplied by connected display device or USB port via converterKey Features Compatible with over 250 interchangeable precision FBPT tips and adapters for diverse connector geometries Probe-integrated QuickCapture™ button for instant image acquisition Coaxial illumination eliminates shadow artifacts on connector end faces Ergonomic in-hand design facilitates inspection of patch panels and embedded optical assemblies No USB or barrel connectors on this variantTypical Applications Bulkhead (female) and patch cord (male) connector inspection Optical device end-face examination Field verification of connector cleanliness and fiber geometryCompatibility & Integration Compatible with JDSU HD-series analog displays (conversion cable FBPP-DPAC1 may be required for 6-pin to 4-pin interfaces) Compatible with JDSU test platforms: T-BERD, MTS, TestPad (with appropriate modules) Windows PC/laptop integration via USB analog-to-digital converter (FBPP-USB1 for 6-pin probes) FiberChek™ software support for PC-based image capture and analysis

## Features & description

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From manufacturer datasheet

### Features

- QuickCapture image button on probe
- Single 200X magnification NTSC
- 6-pin Hirose output; no USB on probe
- No barrel assembly included (PX row)
- Coaxial blue LED; in-probe focus
- Interchangeable FBPT precision tips (250+ ecosystem)
- Compatible with JDSU HP/HD class displays and converters
- Cord length about 240 cm (family manuals)

## FBPPX100 Characteristics / Specifications

| PARAMETER                | VALUE                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                    | FBP-PX100                                                                                                                                                                                    |
| Manufacturer             | JDSU (Westover)                                                                                                                                                                              |
| Instrument Type          | Fiber inspection probe microscope (QuickCapture, no barrel)                                                                                                                                  |
| Alias                    | FBP-PX100; JDSU FBP-PX100                                                                                                                                                                    |
| Optical magnification    | 200X                                                                                                                                                                                         |
| Video format             | NTSC                                                                                                                                                                                         |
| Output connector         | 6-pin Hirose                                                                                                                                                                                 |
| USB on probe             | no                                                                                                                                                                                           |
| QuickCapture button      | yes                                                                                                                                                                                          |
| Barrel assembly included | no                                                                                                                                                                                           |
| 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                                                                                                                                                                                       |
| Dimensions               | 46 × 43 × 140 mm (1.8 × 1.7 × 5.5 in)                                                                                                                                                        |
| Weight                   | 180 g (6.35 oz)                                                                                                                                                                              |
| Cord length class        | about 240 cm (family manuals)                                                                                                                                                                |
| Warranty class           | 1 year (family datasheet)                                                                                                                                                                    |
| Tip ecosystem            | FBPT precision tips / RibbonDrive                                                                                                                                                            |
| Magnification control    | single (no dual-mag switch)                                                                                                                                                                  |
| Connector family         | 6-pin Hirose QuickCapture class Notes Specs from JDSU FBP Probe Microscope data sheet ordering row FBP-PX100 (NTSC, 200X, 6-pin, w/o USB/barrel). Confirm tips and display cable separately. |

# 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                            |                                                             |
| PARAMETER                                 | VALUE                                                       |
| Model                                     | FBP-PX100                                                   |
| Manufacturer                              | JDSU (Westover)                                             |
| Instrument Type                           | Fiber inspection probe microscope (QuickCapture, no barrel) |
| Alias                                     | FBP-PX100; JDSU FBP-PX100                                   |
| Optical magnification                     | 200X                                                        |
| Video format                              | NTSC                                                        |
| Output connector                          | 6-pin Hirose                                                |
| USB on probe                              | no                                                          |
| QuickCapture button                       | yes                                                         |
| Barrel assembly included                  | no                                                          |
| 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                                                      |
| Dimensions                                | 46 x 43 x 140 mm (1.8 x 1.7 x 5.5 in)                       |
| Weight                                    | 180 g (6.35 oz)                                             |
| Cord length class                         | about 240 cm (family manuals)                               |
| Warranty class: 1 year (family datasheet) |                                                             |
| Specifications                            |                                                             |
| PARAMETER                                 | VALUE                                                       |
| Tip ecosystem                             | FBPT precision tips / RibbonDrive                           |
| Magnification control                     | single (no dual-mag switch)                                 |

| PARAMETER        | VALUE                           |
|------------------|---------------------------------|
| Connector family | 6-pin Hirose QuickCapture class |

Notes  
Specs from JDSU FBP Probe Microscope data sheet ordering row FBP-PX100 (NTSC, 200X, 6-pin, w/o USB/barrel).  
Confirm tips and display cable separately.

### Available from Aumictech

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

Request a quote: [sales@aumictech.com](mailto: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.