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**Data Sheet**

August 12, 2026

JDSU

## JDSU FBP-P1-400 Video inspection probe microscope, NTSC, 400X, 4-pin out

The JDSU FBP-P1-400 is a video inspection probe microscope designed for inspecting fiber optic connectors. It features an NTSC video output, 400X magnification, and a 4-pin output for easy connection to a monitor or recording device. Ideal for field use and ensuring clean fiber connections.



MODEL

**JDSU FBP-P1-400**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**FBP-P1-400**

LISTING

<https://aumictechlabs.com/products/fbp-p1-400-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

### This unit

The JDSU FBP-P1-400 is a handheld analog video inspection probe microscope engineered for real-time examination of fiber optic connector end faces. Delivering 400X magnification with NTSC video output, this probe enables technicians to detect contamination, damage, and debris that compromise network performance. The integrated blue coaxial LED illumination and 1/3-inch CMOS sensor provide clear, magnified imagery across a 350  $\mu$ m horizontal field of view, while manual focus control on the probe body ensures precise image clarity. Its compact, lightweight design and 240 cm cord facilitate inspection of connectors in restricted access areas, including those within patch panels and optical transceivers.

Technical Specifications  
Magnification: 400X  
Video Output: NTSC  
Sensor: 1/3-inch CMOS  
Light Source: Blue LED, coaxial illumination,

100,000+ hours rated life Focus Control: Manual, adjustable on probe Horizontal Field of View: 350  $\mu\text{m}$  at 400X magnification Connector Interface: 4-pin Hirose™ male Dimensions: 46 × 43 × 140 mm (1.8 × 1.7 × 5.5 in) Weight: 180 g (6.35 oz) Cord Length: 240 cm (94 in) Power Source: Display device or USB moduleKey Features Coaxial blue LED provides uniform illumination of the fiber end face In-probe focus adjustment for manual image optimization QuickCapture™ button for instantaneous image capture with compatible displays Compatible with interchangeable precision stainless-steel inspection tips for bulkhead, patch cord, APC, angled, and ribbon connectors Secure 4-pin Hirose™ male connector for JDSU display and USB converter integrationTypical Applications Fiber optic connector end-face inspection Bulkhead and patch cord connector examination Simplex and multi-fiber ribbon connector analysis Connector inspection within transceivers and optical devices Hard-to-reach connector locations behind patch panelsCompatibility & Integration The FBP-P1-400 connects via 4-pin Hirose™ male connector to JDSU-compatible display units and USB conversion modules, enabling flexible integration into existing optical test and inspection workflows.

## Features & description

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From manufacturer datasheet

### Features

• Magnification: 400X - Video format: NTSC - Connector: 4-pin Hirose - USB on probe: no - Barrel assembly included: yes - Camera: 1/3-in CMOS - Light source: blue LED, internal, 100,000+ hours - Lighting: coaxial - Focus: adjustable, in-probe - Power: from display device / USB port (per configuration) - Size: 46 × 43 × 140 mm • Weight: 180 g - Horizontal FOV @ 200X: 550 µm - Horizontal FOV @ 400X: 350 µm - Compatible with 250+ FBPT inspection tips and adapters - QuickCapture button on QuickCapture models

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### Applications

• Inspect bulkhead (female) and patch cord (male) fiber connectors - Inspect hard-to-reach optical devices / transceivers - Use with JDSU display devices and FBPT tips/adapters

# FBPP1400 Characteristics / Specifications

| PARAMETER                      | VALUE                                                                                                                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical Specifications Model | FBP-P1-400 Manufacturer: JDSU Instrument Type: Fiber Inspection Probe Microscope Alias: FBP-P1-400; JDSU FBP-P1-400                                                                                                                                              |
| Magnification                  | 400X Format: NTSC Output: 4-pin Hirose USB: no Barrel: yes FOV 200X: 550 µm FOV 400X: 350 µm Weight: 180 g Dimensions: 46 × 43 × 140 mm Notes Specs from JDSU FBP Probe Microscope data sheet (FBP-P1-400 row). Confirm included tips/display cable on the unit. |
| Weight                         | 180 g - Horizontal FOV @ 200X: 550 µm - Horizontal FOV @ 400X: 350 µm - Compatible with 250+ FBPT inspection tips and adapters - QuickCapture button on QuickCapture models                                                                                      |

# FBPP1400 Specifications

| PARAMETER                | VALUE                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------------|
| Key Features             | - Magnification: 400X                                                                                              |
| Technical Specifications | Model: FBP-P1-400                                                                                                  |
| Notes                    | Specs from JDSU FBP Probe Microscope data sheet (FBP-P1-400 row). Confirm included tips/display cable on the unit. |

# Specifications

| PARAMETER     | VALUE            |
|---------------|------------------|
| Magnification | 400X             |
| Format        | NTSC             |
| Output        | 4-pin Hirose     |
| USB           | no               |
| Barrel        | yes              |
| FOV 200X      | 550 μm           |
| FOV 400X      | 350 μm           |
| Weight        | 180 g            |
| Dimensions    | 46 × 43 × 140 mm |

# 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 Model: FBP-P1-400 Manufacturer: JDSU Instrument Type: Fiber Inspection Probe Microscope Alias: FBP-P1-400; JDSU FBP-P1-400

Magnification: 400X Format: NTSC Output: 4-pin Hirose USB: no Barrel: yes FOV 200X: 550 µm FOV 400X: 350 µm Weight: 180 g Dimensions: 46 × 43 × 140 mm

Notes Specs from JDSU FBP Probe Microscope data sheet (FBP-P1-400 row). Confirm included tips/display cable on the unit.

### Specifications

| PARAMETER     | VALUE            |
|---------------|------------------|
| Magnification | 400X             |
| Format        | NTSC             |
| Output        | 4-pin Hirose     |
| USB           | no               |
| Barrel        | yes              |
| FOV 200X      | 550 µm           |
| FOV 400X      | 350 µm           |
| Weight        | 180 g            |
| Dimensions    | 46 × 43 × 140 mm |

### Technical Specifications

| PARAMETER       | VALUE                             |
|-----------------|-----------------------------------|
| Model           | FBP-P1-400                        |
| Manufacturer    | JDSU                              |
| Instrument Type | Fiber Inspection Probe Microscope |
| Alias           | FBP-P1-400; JDSU FBP-P1-400       |

### 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

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

NIST-traceable calibration · SAM registered ·  
30-day returns  
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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.