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Data Sheet

August 12, 2026

JDSU

JDSU FBP-P505 Video inspection QuickCapture probe microscope, NTSC, 200/400X, 6-pin out w/o USB

The JDSU FBP-P505 is a video inspection probe microscope designed for inspecting fiber optic connectors. It features NTSC video output, 200/400X magnification, and a 6-pin output connector. This model does not include USB connectivity. The QuickCapture feature allows for easy image capture and documentation of fiber end-face quality.



MODEL

JDSU FBP-P505

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FBP-P505

LISTING

<https://aumictechlabs.com/products/fbp-p505-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU FBP-P505 is a handheld video inspection probe microscope designed for real-time examination of fiber optic connectors and optical devices. It delivers NTSC analog video output with dual magnification (200X and 400X), a 1/3-inch CMOS camera, and an integrated QuickCapture™ button for instant image documentation. The probe features a blue LED light source with 100,000+ hours lifespan, coaxial lighting geometry, and adjustable focus control positioned on the probe body. A 6-pin Hirose™ connector (without USB) interfaces with JDSU optical test units, T-BERD/MTS platforms, or PC/laptops via analog-to-digital converter. The rugged handheld design accommodates hard-to-reach connector inspection in field and

laboratory environments. Technical Specifications Camera: 1/3-inch CMOS Video Output: NTSC (analog) Magnification: 200X and 400X Horizontal Field-of-View: 200X (550 μ m), 400X (350 μ m) Light Source: Blue LED, internal, 100,000+ hours lifespan Lighting Technique: Coaxial Focus Control: Adjustable, probe-mounted Connector: 6-pin Hirose™ (w/o USB) Dimensions: 46 × 43 × 140 mm (1.8 × 1.7 × 5.5 in) Weight: 180 g (6.35 oz) Key Features QuickCapture™ button enables single-action image capture without external controls Coaxial illumination eliminates shadowing and provides uniform end-face visibility Dual magnification allows rapid switching between overview (200X) and detail (400X) inspection modes Power delivery through display device or USB module - no independent power supply required Typical Applications Inspection of bulkhead (female) and patch cord (male) fiber interconnects Optical transceiver and device examination Simplex and multi-fiber ribbon connector quality assessment Manufacturing and laboratory fiber optic validation workflows Compatibility & Integration The FBP-P505 connects directly to JDSU optical test units and T-BERD/MTS platforms. Integration with PC and laptop systems requires an analog-to-digital converter. Supports a full range of FBP precision tips and adapters for FC, SC, LC, APC, and multi-fiber connector types.

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
- QuickCapture image button on probe
- 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

FBPP505 Characteristics / Specifications

PARAMETER	VALUE
Model	FBP-P505
Manufacturer	JDSU
Instrument Type	Fiber Inspection Probe Microscope
Alias	FBP-P505; JDSU FBP-P505; Westover FBP-P505
Optical magnification	200/400X
Video format	NTSC
Output connector	6-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-P505 ordering row). Confirm included FBPT tips and display cable on the unit.

FBPP505 Specifications

PARAMETER	VALUE
Key Features	- Coaxial blue LED illumination for crisp end-face contrast
Technical Specifications	Model: FBP-P505
Notes	Specs from JDSU FBP Probe Microscope data sheet (FBP-P505 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

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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.