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Data Sheet

August 13, 2026

JDSU

JDSU FBP-P7 Video inspection probe microscope, NTSC, 250/500X, 4-pin out

The JDSU FBP-P7 is a video inspection probe microscope designed for inspecting fiber optic connectors. It features NTSC video output, switchable 250x/500x magnification, and a 4-pin video output connector. Ideal for field use and ensuring clean fiber connections.



MODEL

JDSU FBP-P7

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FBP-P7

LISTING

<https://aumictechlabs.com/products/fbp-p7-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU FBP-P7 is a video inspection probe microscope engineered for precise examination of fiber optic connector end-faces. It delivers switchable magnification of 250x and 500x with NTSC video output via a 4-pin connector, enabling field technicians and laboratory personnel to verify connector cleanliness and integrity. Integrated LED illumination and manual focus control ensure consistent, sharp imaging across diverse inspection scenarios.

Technical Specifications
Magnification: 250x / 500x (switchable) Video Output: NTSC standard Video Connector: 4-pin type Illumination: Integrated LED system Focus Control: Manual adjustment Objective Lens: High-resolution design for fiber optic inspection Sensor Type: CCD or CMOS (revision-dependent)

Key Features
Dual magnification modes support both broad field survey and detailed end-face analysis Handheld probe form factor with ergonomic, durable industrial-grade housing NTSC compatibility with standard video monitors and recording devices Compact, lightweight design

optimized for field portability Typical Applications Fiber optic network installation and maintenance verification Quality control in fiber optic connector manufacturing Troubleshooting and diagnostics of fiber optic links End-face cleanliness assurance prior to connection Compatibility & Integration Inspects various fiber optic connector types including LC, SC, FC, and ST (adapter tips may be required) Standalone video inspection device; requires external NTSC-compatible monitor or recording equipment DC power input via dedicated connector

Features & description

From manufacturer datasheet

Features

- Dual magnification 250/500X (higher than standard 200/400X rows)
- NTSC analog video on 4-pin Hirose
- Coaxial blue LED illumination; in-probe focus
- Interchangeable FBPT precision tips (250+ ecosystem)
- Compatible with JDSU HP/HD class displays and USB converters
- Barrel assembly included for standard tip mating
- Ergonomic handheld form for backside panel work
- Cord length about 240 cm (family manuals)

FBPP7 Characteristics / Specifications

PARAMETER	VALUE
Model	FBP-P7
Manufacturer	JDSU (Westover)
Instrument Type	Fiber inspection probe microscope
Alias	FBP-P7; JDSU FBP-P7; Westover FBP-P7
Optical magnification	250/500X dual
Video format	NTSC
Output connector	4-pin Hirose
USB on probe	no
QuickCapture button	no (non-QC analog row)
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 family reference 200X	550 um (published FOV table is for 200/400X optics)
Horizontal FOV family reference 400X	350 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	dual in-probe
Connector family	4-pin Hirose analog class Notes Specs from JDSU FBP Probe Microscope data sheet ordering row FBP-P7 (NTSC, 250/500X, 4-pin).

PARAMETER

VALUE

FOV table in the family datasheet is published for 200X/400X; treat P7 FOV as configuration-specific if not marked on the unit. Confirm tips and display cable.

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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Notes

Specs from JDSU FBP Probe Microscope data sheet ordering row FBP-P7 (NTSC, 250/500X, 4-pin). FOV table in the family datasheet is published for 200X/400X; treat P7 FOV as configuration-specific if not marked on the unit. Confirm tips and display cable.

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.