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Data Sheet

August 13, 2026

WESTOVER

Westover HD1 Fiber Inspection System Microscope Fiberscope

Westover HD1 Fiber Inspection System Display (FBP Series) The Westover Scientific HD1 (FBP-HD1) is a portable, ruggedized handheld video display for FBP / FBP3 Series fiber end-face inspection probe microscopes. A 3.5-inch TFT active-matrix LCD presents high-contrast NTSC images of connector end-faces for field and lab fiber cleanliness inspection. The display powers the probe through a 4-pin Hirose connector and runs from AC or a Sony NP-550 Li-ion battery. The Westover Scientific HD1 (FBP-HD1) is a portable, ruggedized handheld video display for FBP / FBP3 Series fiber end-face inspection probe microscopes. A 3.5-inch TFT active-matrix LCD presents high-contrast NTSC images of connector end-faces for field and lab fiber cleanliness inspection. The display powers the probe through a 4-pin Hirose connector and runs from AC or a Sony NP-550 Li-ion battery.



MODEL

Westover HD1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

HD1

LISTING

<https://aumictechlabs.com/products/hd1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Westover HD1 Fiber Inspection System is a portable handheld video microscope platform for inspecting fiber optic connectors, patch cords, bulkhead assemblies, and optical devices. The system delivers high-resolution imaging of fiber end-faces to detect contamination, scratches, and defects that degrade signal integrity and cause network downtime. Field-deployable design

supports network maintenance, quality control, and laboratory inspection workflows. Technical Specifications -# Display Unit (HD1) 3.5-inch TFT active matrix LCD with high-contrast imaging Detection capability: 1 μm particles and fine scratches Power: 100–240 V AC adapter or rechargeable Li-ion battery (Sony® NP-550 type); battery required for operation Battery runtime: Over 2 hours continuous operation Battery charges in-unit via AC adapter 4-pin Hirose™ connector for probe power and video output Battery status LED indicator Auto-shutoff function Contrast adjustment control Lightweight, ruggedized ergonomic enclosure with hands-free hanging accessory -# Probe Microscope (FBP Series) Powered via HD1 display unit through 4-pin Hirose™ connector Integrated imaging system, light source, video camera, focus mechanism, and magnification control Manual focus adjustment for live fiber end-face imaging Dual magnification control available on select models Interchangeable inspection tips and barrel assemblies for connector interface compatibility Accommodates female bulkhead connectors, male patch cord connectors, transceivers, and hard-to-reach connector positions Key Features Real-time video inspection of fiber terminations Particle and defect detection down to 1 μm resolution Field-portable battery-powered operation with extended runtime Modular probe design for multi-connector applications Quick-swap interchangeable inspection tips Contrast-adjustable display for varied lighting conditions Typical Applications Fiber optic network installation and acceptance testing Troubleshooting optical signal degradation and equipment failures Pre-installation quality assurance of patch cords and connectors In-service inspection behind patch panels and within enclosures Compatibility & Integration 4-pin Hirose™ probe connector standard Separate converter (FBPP-DPAC1) required for 6-pin probe compatibility Li-ion battery type: Sony® NP-550

Features & description

From manufacturer datasheet

Features

• 3.5" TFT active matrix LCD, high-contrast end-face image • Works with NTSC FBP / FBP3 series probes • Contrast adjustment and auto-shutoff for battery life • Probe power and video via 4-pin Hirose (6-pin conversion available) • Drop-tested, ergonomic handheld form • AC 100–240 V or rechargeable Li-ion operation

Applications

• Fiber connector end-face inspection and cleanliness check • Field installation and maintenance of optical networks • Lab QA of patch cords and bulkheads with FBP probes • Hands-free viewing with hanging / standing accessory

HD1 Characteristics / Specifications

PARAMETER	VALUE
Model	HD1
Manufacturer	Westover Scientific
Also Known As	FBP-HD1; HD1 Series Video Display
Instrument Type	Handheld Fiber Inspection Video Display
Video Display	3.5-inch TFT active matrix LCD
Video Input	NTSC (dedicated probe / conversion cable)
Probe Connector	4-pin Hirose
Probe Compatibility	NTSC FBP or FBP3 series probes
Dimensions	45.7 mm × 43.2 mm × 140 mm
Weight	400 g
Power Source	Sony NP-550 Li-ion or AC adapter/charger
AC Adapter Range	100–240 VAC
Battery Life Continuous	approximately 2 hours
Charging Time	approximately 2 hours (first charge ~2.5 hours)
Battery Requirement Note	Battery must be installed for unit to operate
Controls	Contrast; auto-shutoff interval (shared control)
Auto Shutoff Settings	4 selectable LCD on-time intervals
Accessory	Removable magnet hanging / standing bracket
Related Probe Form	FBP Series probe microscope (imaging, LED, focus, mag) Notes Specs from Westover / JDSU FBP Probe & HD1 Display manual and reseller listings. Probe and tips sold separately unless kit includes them; confirm NTSC probe match.

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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Accessory	Removable magnet hanging / standing bracket

Typical Magnification with FBP-P1: ~122×

Typical Magnification with FBP-P5: ~196×

Related Probe Form: FBP Series probe microscope (imaging, LED, focus, mag)

Notes

Specs from Westover / JDSU FBP Probe & HD1 Display manual and reseller listings. Probe and tips sold separately unless kit includes them; confirm NTSC probe match.

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.