



COMMUNICATIONS TEST & MEASUREMENT SOLUTIONS

HP3-60

Advanced Handheld Display System with Integrated Power Meter



HP3-60 Fiber Inspection System with Integrated Power Meter for Fiber Testing

Key Features

- Complete system for fiber inspection and testing
- Improve workflow with integrated functions and features that eliminate switching between systems
- 1.8-inch TFT LCD to view clear, crisp, detailed images of fiber end faces with optimal resolution
- Easy-to-use rugged, lightweight, ergonomic, and compact design
- Hanging hook for hands-free operation
- Low battery warning indicator
- Optional 400X magnification patch cord microscope integrated into display (HP3-60-P4)
- Reliable basic functionality for most economical testing
- Three-year calibration period
- Universal PUSH-PULL (UPP) 2.5 mm interface (1.25 mm adapter available)
- TWINtest and Auto- λ (with JDSU optical light source)

Applications

- Inspects fiber end faces and accurately tests and measures optical loss in one device, significantly reducing inspection and test time
- Inspects both the bulkhead (female) and patch cord (male) sides of fiber interconnect
- Measurement of optical power and attenuation (with JDSU optical light source) in fiber networks
- Dedicated for all single-mode and multimode applications, such as LAN, TELECOM, CATV, and DWDM testing
- Modulation frequency detection lets users identify individual fibers
- Promote proper fiber handling workflow and practice

HP3-60 Display System

The new JDSU HP3-60 display system combines fiber inspection and optical power measurement into a single seamless handheld device. This unique combination makes the HP3-60 system the industry's only solution for inspecting and testing fiber networks with one handheld device, resulting in a significant increase in workflow efficiency and decrease in total inspection and test time.



The HP3-60 system, derived from the popular HD3 series, provides high-quality image resolution in a compact, portable design. The integrated power meter offers quick, easy, and convenient field measure of optical power and attenuation. Easy push-button operation makes the device simple and straightforward, while the inspect-test process procedure establishes optimal workflow practices.



Inspect and Test Fiber with One System



- Protective Rubber Cap
- Univ. Push-Pull Input for 2.5 mm Connectors
(1.25 mm adapter available)
- 4-Pin FBP Probe Microscope Input
- 4-digit Power Meter Display for Wavelengths and Types of Modulation
- Straightforward 3-button Operation
(Power Meter)
- 1.8" TFT LCD
- Display Power Button
- Low Battery Warning Indicator
- Battery Compartment
(back panel - holds six AA alkaline batteries)

Benefits of the Integrated Patch Cord Microscope (PCM)

- Inspect both sides of fiber interconnect at one time
- Reduce inspection time by more than 50 percent
- Prevent misplacing and mishandling inspection tips
- Eliminate changing inspection tips on the probe to inspect the patch cord side
- Inspect one port/channel at a time to prevent misrouting
- Protect *male* (patch cord) ends from contamination by *parking* it in the patch cord module

HP3-60-P4 Display System

The HP3-60-P4 adds an integrated patch cord microscope to the system adding further value with improved workflow and achieves the highest level of efficiency. Enabling the user to inspect both the *female* (bulkhead) and *male* (patch cord) sides of a fiber interconnect simultaneously and measure optical power levels makes the HP3-60-P4 the ultimate system for fiber technicians.



With Integrated Patch Cord Microscope

Comparison (Display Types)

DISPLAY TYPE FUNCTIONS (with Probe Microscope)				
	HD3	HD3-P	HP3-60	HP3-60-P4
• Inspect patch cords (w/ Probe microscope)	●	●	●	●
• Inspect bulkheads (w/ Probe microscope)	●	●	●	●
• Inspect <i>BOTH SIDES</i> simultaneously (w/ Probe+PCM)		●		●
• Test/measure optical power & attenuation			●	●

Display Specifications

Dimensions	HP3-60: 148 x 81 x 42 mm (5.8 x 3.2 x 1.7 in) HP3-60-P4: 162 x 114 x 42 mm (6.4 x 4.5 x 1.7 in)
Weight	HP3-60: 312 g (11.0 oz) with six AA alkaline batteries HP3-60-P4: 333 g (11.7 oz) with six AA alkaline batteries
Video Display	45.7 mm (1.8 in) TFT LCD
Connector	4-pin Hirose™ input for FBP probes
Power Source	Six AA batteries or AC power adapter (100–240 VAC/9V DC/500mA)
Power Mode	<ul style="list-style-type: none"> ▪ ON (continuous on) ▪ OFF
Run Time	~3 hours (continuous on)
Auto-shutoff Time	20 minutes
Horizontal Field-of-View (FOV)	550 μm @ 200X; 350 μm @ 400X;
Warranty	1 yr

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Power Meter Specifications

Display Range	-65 to +10 dBm
Max. Permitted Input Level	+10 dBm
Intrinsic Uncertainty¹	±0.20 dB (±5%)
Linearity¹ (-50 to +5 dBm)	±0.06 dB
Wavelength Range	780 to 1650 nm
Wavelength & Modulation	270 Hz, 330 Hz, 1 kHz, 2 kHz <ul style="list-style-type: none"> ▪ -50 to +10 dBm ▪ -45 to +10 dBm
Run Time	~180 hours (continuous on)
Auto-shutoff Time	20 minutes
Connectable Fiber Types	9/125 to 100/140 μm
Optical Interface	UPP 2.5 mm (DIN, ST, FC, SC, E2000) UPP 1.25 mm adapter (LC, MU)
Display	LCD, 4-digit
Result Display In	dBm, dB
Resolution	0.01 dB

¹ Under the following reference conditions: -20 dBm (CW), 1300 nm ± 1 nm, 23°C ± 3K, 45 to 75% rel. humidity, 9 to 50 μm fiber

Ordering Information

FIT-HP3-60	Handheld display with integrated power meter
FIT-HP3-60-P4	Handheld display with integrated power meter & 400X patch cord microscope
FIT-S105	KIT: Dual-mag (200/400X) fiber inspection probe microscope & tips, handheld display with integrated power meter & 400X PCM, carrying case
FIT-S105-C	KIT: Dual-mag (200/400X) fiber inspection probe microscope & tips, handheld display with integrated power meter & 400X PCM, cleaning materials, carrying case
FIT-HP3-60-EU	Handheld display with integrated power meter - EU plug
FIT-HP3-60-P4-EU	Handheld display with integrated power meter & 400X patch cord microscope - EU plug
FIT-S105-EU	KIT: Dual-mag (200/400X) fiber inspection probe microscope & tips, handheld display with integrated power meter & 400X PCM, carrying case - EU plug
FIT-S105-EU-C	KIT: Dual-mag (200/400X) fiber inspection probe microscope & tips, handheld display with integrated power meter & 400X PCM, cleaning materials, carrying case - EU plug
FIT-HP3-60-AU	Handheld display with integrated power meter - AU plug
FIT-HP3-60-P4-AU	Handheld display with integrated power meter & 400X patch cord microscope - AU plug
FIT-S105-AU	KIT: Dual-mag (200/400X) fiber inspection probe microscope & tips, handheld display with integrated power meter & 400X PCM, carrying case - AU plug
FIT-S105-AU-C	KIT: Dual-mag (200/400X) fiber inspection probe microscope & tips, handheld display with integrated power meter & 400X PCM, cleaning materials, carrying case - AU plug
FIT-HP3-60-UK	Handheld display with integrated power meter - UK plug
FIT-HP3-60-P4-UK	Handheld display with integrated power meter & 400X patch cord microscope - UK plug
FIT-S105-UK	KIT: Dual-mag (200/400X) fiber inspection probe microscope & tips, handheld display with integrated power meter & 400X PCM, carrying case - UK plug
FIT-S105-UK-C	KIT: Dual-mag (200/400X) fiber inspection probe microscope & tips, handheld display with integrated power meter & 400X PCM, cleaning materials, carrying case - UK plug

Test & Measurement Regional Sales

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