JDSU

COMMUNICATIONS TEST & MEASUREMENT SOLUTIONS

FI-60, VP-60

Live Fiber Identifier with Integrated Optical Power Meter

FI-60
Live Fiber Identifier

VP-60
Optical Power Meter

Key Features

- Slim form-factor design enables access to cables in densely populated areas
- Compatible with multiple cable diameters from 250 µm tight buffer to 3 mm jacketed fiber
- Safe-latch trigger assures that the technician will not over-stress the fiber when testing, providing a repeatable and controlled engagement with fiber
- Easy to understand controls with visible "TRAFFIC" indicator and audible tone (solid or pulsed, depending on traffic type)
- Easily converts to an Optical Power Meter (OPM)
- Durable metal connector inputs (2.5 mm and 1.25 mm)
- Measures both absolute (dBm) and relative (dB) power measurements
- Store and recall up to 100 measurement readings directly on the device
- Download stored data to PC via USB connection
- User can define and customize list of selectable wavelengths
- Up to 2 kHz tone detection with user adjustable power threshold
- Audible tone and visual indicator when power threshold exceeded

Applications

- Quickly identify live optical signals on fiber cables without disrupting network traffic
- Take optical power measurements for all single-mode and multimode connectors
- Integrates with FiberChek2™ inspection and test software

The Industry's Best Value Live Fiber Identifier

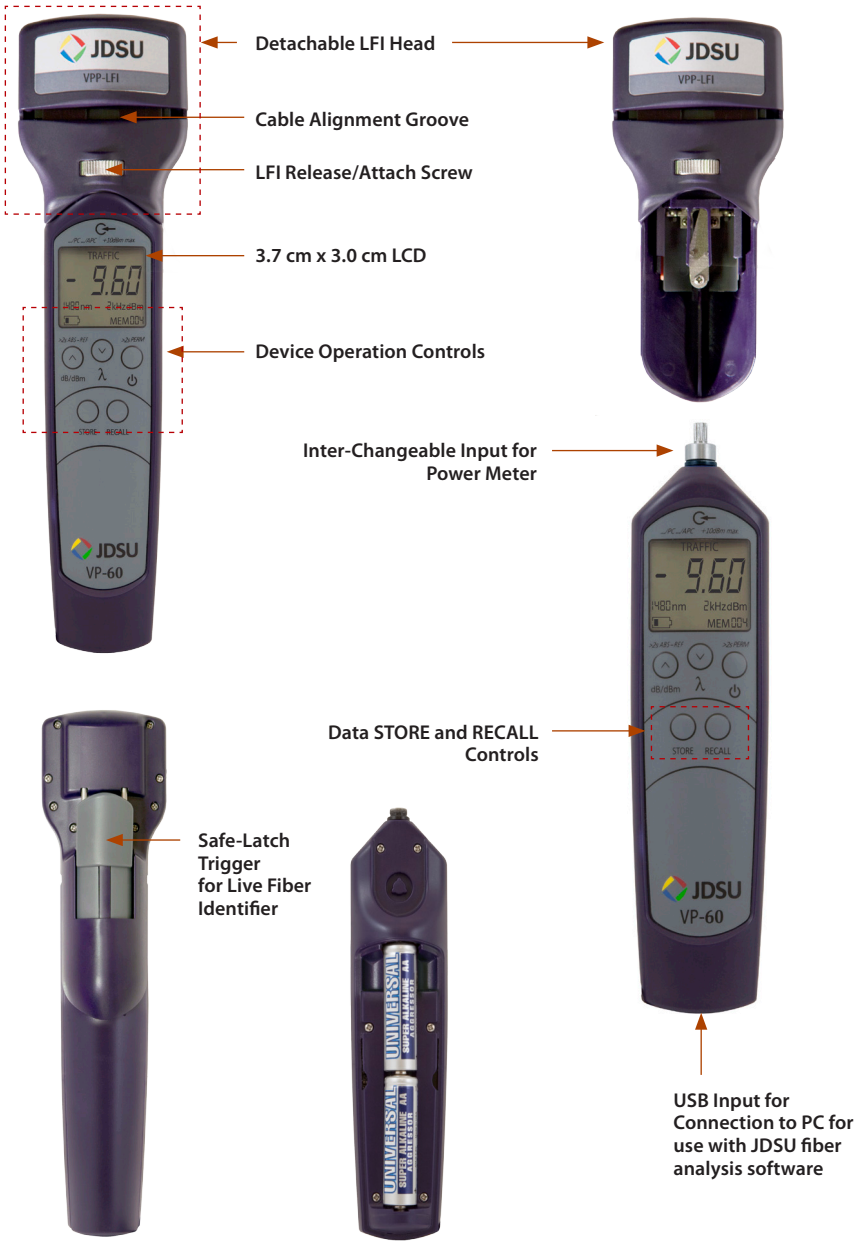
The new JDSU FI-Series Live Fiber Identifier (LFI) addresses the real-world needs of fiber technicians with the ability to detect optical signals on a fiber cable without disrupting network traffic. Designed with user workflow in mind, this small form-factor device eliminates time consuming and confusing problems encountered in other LFI devices. Simply align the jacketed fiber into the open channel and click the safe-latch trigger to identify activity or tones at 270 Hz, 330 Hz,1 kHz, and 2 kHz. Compatible with multiple cable diameters from 250 µm tight buffer to 3 mm jacketed fibers, this LFI is ideal for installation, service, maintenance, or troubleshooting. This unique and compact tool is very easy to use, providing numerous capabilities packed into a simple device.

Benefits

- No more wasted time fumbling with expensive dies that need to be changed out every time you have a different jacket size
- Easily identify fiber traffic and tones without disrupting network performance
- Slim form-factor design enables access to cables in densely populated areas
- Safe-latch trigger assures that the technician will not over stress the fiber when testing
- Visual and audible indicators to provide clear notification of live fiber traffic
- Converts to Optical Power Meter (OPM) to test optical power
- Easily save and recall OPM readings directly on device
- Export recorded data to PC for documentation

In addition, this device converts into an Optical Power Meter (OPM). Simply remove the LFI head attachment, connect the corresponding adapter (i.e., 2.5 mm or 1.25 mm) and insert a connector to measure power. This versatile tool that can display, store, and recall optical power measurements for each of the selectable wavelengths on the device. In addition, users can download the stored power measurements onto a PC and store data records with a simple USB connection. The device also interfaces for FiberChek2, which integrates fiber inspection and optical power measurement, allowing the user to record their results.

Features and Components



General Specifications

Power source	2 x AA alkaline batteries
Wavelength range	780 to 1800 nm
Battery life	> 70 hours
USB type	2.0
Screen size (W x H)	3.7 cm x 3.1 cm
Storage temperature	–20 to 70° C
Operating temperature	0 to 50° C

Ordering Information

FI-60	Live Fiber Identifier with removable LFI attachment, 2.5 mm and 1.25 mm OPM connector interfaces; USB cable; software; carrying case
VP-60	Optical Power Meter with 2.5 mm connector interface; USB cable; software; carrying case
VP-60A	Optical Power Meter with 2.5 mm and 1.25 mm connector interfaces; USB cable; software; carrying case
VPP-LFI	Attachment Head; Live Fiber Identifier, connects to VP-60

LFI Specifications

Dimensions	216 x 60 x 38 mm (8.5 x 2.35 x 1.5 in)
Weight	135 g (4.8 oz) with two AA alkaline batteries
Detection sensitivity	–20 dBm @ 1310 nm, -30 dBm @ 1550 nm
Insertion loss (typical)	1310 nm: < .2 dB, 1550 nm: < 2 dB
Detected wavelengths	850 to 1700 nm
Detected tones	270 Hz, 330 Hz, 1 kHz, 2 kHz
Standard cable diameter range	250 µm - 3 mm

VP-60 OPM Specifications

Dimensions	171 x 42 x 25 mm (6.8 x 1.7 x 1.4 in)
Weight	100 g (3.5 oz) with two AA alkaline batteries
Connector input	1.25 mm and 2.5 mm available
Measurement types	dB, dBm
Detectable optical power range	–65 dBm to +10 dBm
Max. permitted input level	+23 dBm
Intrinsic uncertainty[1] Linearity[1]	±0.20 dB (± 5%) ±0.06 dB (–50 dBm to +5 dBm)
Standard wavelength settings	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Wavelength and modulation 1300, 1310, 1490, 1550, 1625 nm 850, 980 nm	270 Hz, 330 Hz, 1 kHz, 2 kHz –60 to +10 dBm –55 to +10 dBm

[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*

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