

## FI-60

### Live Fiber Identifier with Integrated Optical Power Meter



Live Fiber Identifier      Optical Power Meter

#### Benefits

- Avoid network downtime and damage with repeatable SafeChek™ easy-pull trigger system.
- Get the job done faster with a single LFI head that is compatible with multiple cable diameters (250µm to 3mm jacketed fibers).
- Increase reliability and avoid false readings with integrated ambient light shield.
- Access cable in multiple environments with the compact, ergonomic design.
- Easily convert to a full function OPM that stores, recalls, and exports results to a PC via USB

#### Innovative FI-60 Design Gives You Two Essential Fiber Tools in One Device

Inadvertently disconnecting active fiber during installation, test and troubleshooting is a common cause of dropped service. The new FI-60 LFI enables users to easily detect the optical signal without having to disconnect the fiber or disrupt network traffic. JDSU's unique SafeChek™ system ensures safe and repeatable engagement with most fiber types, without the hassle of changing out costly dies.

The FI-60 easily converts to an Optical Power Meter (OPM), providing twice the value for your investment and reducing the number of tools you have to carry on the job. Simply remove the LFI head attachment, connect the corresponding adapter (2.5 or 1.5mm) and insert a connector to measure power. This versatile tool can display, store, and recall optical power measurements for each of the selectable wavelengths. Users can download the stored data onto a PC via USB. The FI-60 also interfaces with FiberChek2, providing integrated inspection and OPM testing and reporting capabilities.

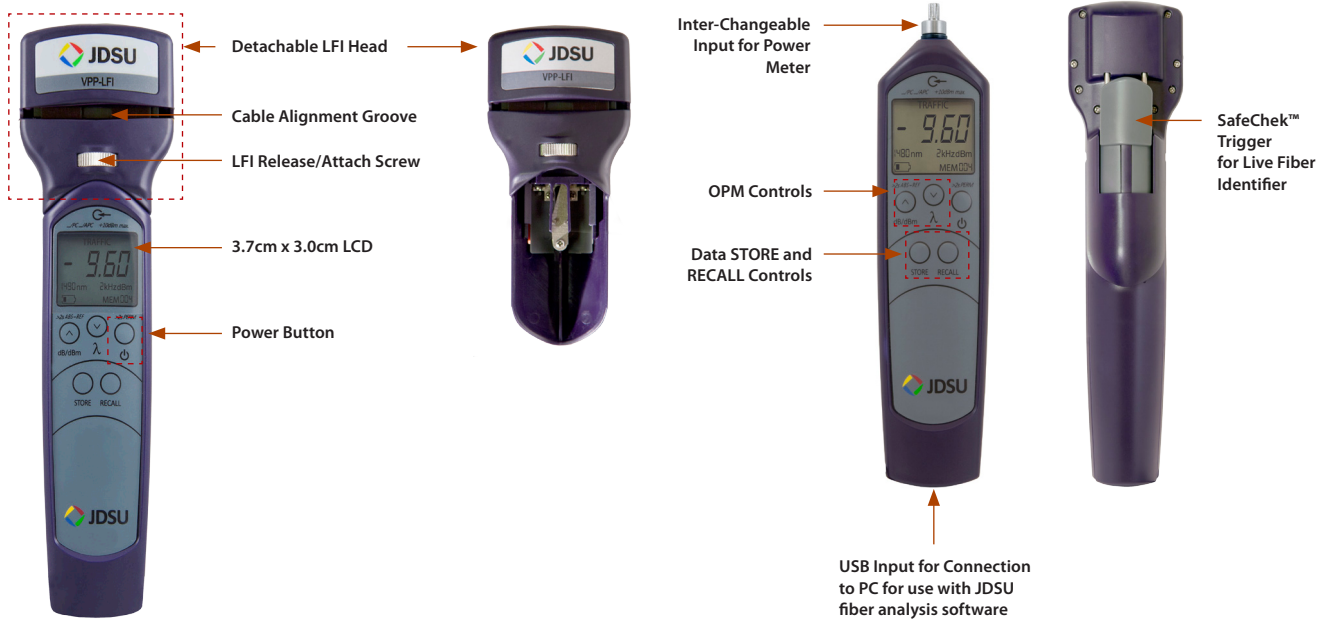
#### Key Features

- SafeChek easy-pull trigger system ensures repeatable engagement with fiber cable
- LFI head accepts multiple cable diameters (250µm to 3mm jacketed fibers)
- Durable metal input adapters (2.5 and 1.25mm) for OPM
- Measure both absolute (dBm) and relative (dB) power
- Store and recall up to 100 OPM readings

#### 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

## Features and Components



## Specifications

General		LFI		OPM	
<b>Power source</b>	2 x AA alkaline batteries	<b>Dimensions</b>	216 x 60 x 38 mm (8.5 x 2.35 x 1.5 in)	<b>Dimensions</b>	171 x 42 x 25 mm (6.8 x 1.7 x 1.4 in)
<b>Wavelength range</b>	780 to 1800 nm	<b>Weight</b>	135 g (4.8 oz) with two AA alkaline batteries	<b>Weight</b>	100 g (3.5 oz) with two AA alkaline batteries
<b>Battery life</b>	> 70 hours	<b>Detection sensitivity</b>	-20 dBm @ 1310 nm, -30 dBm @ 1550 nm	<b>Connector input</b>	1.25 mm and 2.5 mm available
<b>USB type</b>	2.0	<b>Insertion loss (typical)</b>	1310 nm: < .2 dB, 1550 nm: < 2 dB	<b>Measurement types</b>	dB, dBm
<b>Screen size (W x H)</b>	3.7 x 3.1 cm	<b>Detected wavelengths</b>	850 to 1700 nm	<b>Detectable optical power range</b>	-65 dBm to +10 dBm
<b>Storage temperature</b>	-20 to 70° C	<b>Detected tones</b>	270 Hz, 330 Hz, 1 kHz, 2 kHz	<b>Max. permitted input level</b>	+23 dBm
<b>Operating temperature</b>	0 to 50° C	<b>Standard cable diameter range</b>	250 μm - 3 mm	<b>Intrinsic uncertainty<sup>1</sup></b>	±0.20 dB (± 5%)
				<b>Linearity<sup>1</sup></b>	±0.06 dB (-50 dBm to +5 dBm)
				<b>Standard wavelength settings</b>	850, 980, 1300, 1310, 1490, 1550, 1625 nm
				<b>Wavelength and modulation</b>	270 Hz, 330 Hz, 1 kHz, 2 kHz
				1300, 1310, 1490, 1550, 1625 nm	-60 to +10 dBm
				850, 980 nm	-55 to +10 dBm

<sup>1</sup> 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

FI-60	Live Fiber Identifier with removable LFI attachment, 2.5 mm and 1.25mm OPM connector interfaces; 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
VP-60	Optical Power Meter with 2.5 mm connector interface; USB cable; software; carrying case
VPP-LFI	Attachment Head; Live Fiber Identifier, connects to VP-60
VPP-UPP12	Adapter, for 1.25mm (LC, MU) for VP Series OPM
VPP-IPP25	Adapter, for 2.5mm (FC, SC, ST) for VP Series OPM

## Test & Measurement Regional Sales

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