

## FI-60

### Live Fiber Identifier with Integrated Optical Power Meter



#### 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. The unique Viavi Solution® 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 Benefits

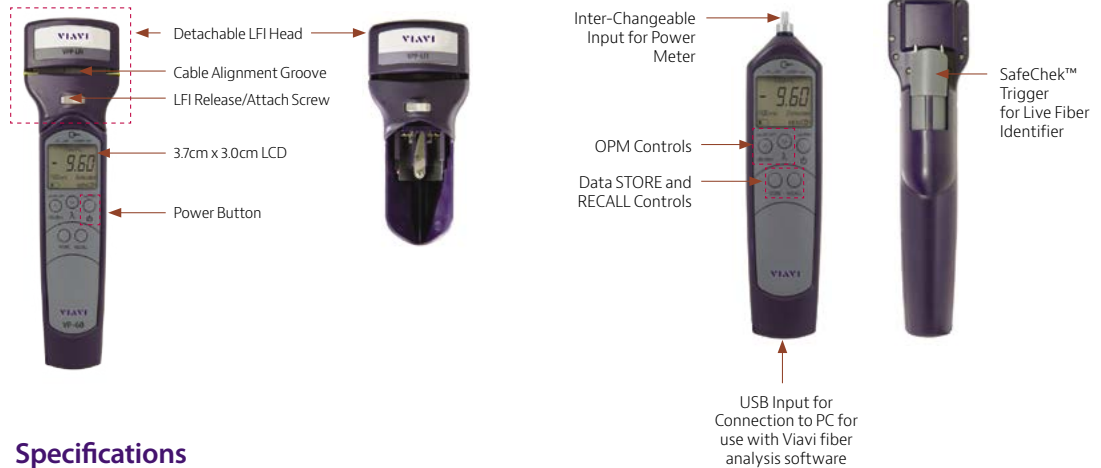
- Avoid network downtime and damage with repeatable SafeChek™ easy-pull trigger system.
- Get the job done faster with a single LFI head that is compatible with multiple cable diameters (250µm to 3mm jacketed fibers).
- Increase reliability and avoid false readings with integrated ambient light shield.
- 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

#### 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

Data Sheet

## Features and Components



## Specifications

General	
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 x 3.1 cm
Storage temperature	-20 to 70° C
Operating temperature	0 to 50° C
LFI	
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

OPM	
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 <sup>1</sup>	±0.20 dB (± 5%)
Linearity <sup>1</sup>	±0.06 dB (-50 dBm to +5 dBm)
Standard wavelength settings	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Wavelength and modulation	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

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

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

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