VFI2 Visual Fault Identifier

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NOYES®
VFI2 and HiLite Visual Fault Identifiers

The NOYES VFI2 and HiLite visible red laser sources from AFL are designed to troubleshoot faults on fiber optic cables. Light generated by these units will escape from sharp bends and breaks in jacketed or bare fibers, as well as poorly-mated connectors. They can quickly identify faults in fiber optic jumper cables, distribution frames, patch panels, and splice trays.

The HiLite and VFI2 are an excellent complement to an OTDR because they can locate faults inside the OTDR's dead-zone. Other applications include end-to-end continuity checks, identifying connectors in patch panels and fibers during splicing operations.

Trace cables in messy or undocumented setups. A VFI unit provides a quick means of finding the "other end" from amongst cluttered cables. Simply connect the VFI to one end and look for the visual red light transmitted out the opposite connector.

- **HiLite is a miniature key-chain mountable (key chain included) fault locating tool.**
- **VFI2 is a larger hand-sized package offering longer battery runtime.**

Fiber Coupled Lasers for Best Test Results: NOYES VFI2 units deliver 1 mW of output power into 9/125 single-mode fiber to ensure long range and exceptional brightness for locating defects in single-mode and multimode fibers.

The VFI2 and HiLite units use a threaded connector adapter interface to support adapter removal for connector cleaning and field changing of adapter styles.

- **2.5 mm adapter accepts PC and angled connectors FC, SC, ST, etc.**
- **1.25 mm adapter accepts LC and MU connectors.**

A Visible Fault Indicator (VFI) is an essential tool for fiber technicians.

Features

- Visible red laser source, 650 nm
- High power, 1 mW into 9/125 single-mode fiber
- Compact size
- Universal connector interface for quick connection
- 2.5 mm Universal adapter included
- 1.25 mm Universal adapter available

Applications

- Identify fiber faults inside OTDR deadzone
- Identify sharp bends or breaks in fibers
- Identify poorly mated connectors
- Verify AFL FAST™ Connector Installation

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Specifications [a]

OPTICAL	VFI2	HILITE
Emitter Type	Laser, Class II FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1:2007-03	
Wavelength	650 nm ±20 nm	
Output Power	1 mW (into single-mode fiber)	
Modulation	2 Hz or CW selected	2 Hz
GENERAL		
Adapter	2.5 mm Universal, 1.25 mm Universal	
Power	2 AA alkaline batteries (60 hours typical)	1 AAA alkaline battery (16 hours typical)
Operating Temperature	-10°C to 50°C, 85 % humidity non condensing	
Storage Temperature	-30°C to 60°C, 95 % humidity non condensing	
Size (H x W x D)	14.0 x 6.2 x 3.2 cm (5.5 x 2.4 x 1.3 in)	7.0 x 3.6 x 1.5 cm (2.8 x 1.4 x 0.6 in)
Weight	<200 g (7.06 oz)	50 g (1.75 oz)

Ordering Information

VFI2 Models

DESCRIPTION	AFL NO.
VFI2 visual fault identifier with 2.5 mm adapter	VFI2-00-0900PR
VFI2 visual fault identifier with 2.5 mm and 1.25 mm adapters	VFI2-01-0900PR

HiLite Models

DESCRIPTION	AFL NO.
HiLite visual fault identifier with 2.5 mm adapter	VFI3-00-0900PR
HiLite visual fault identifier with 2.5 mm and 1.25 mm adapters	VFI3-01-0900PR

Adapters

DESCRIPTION	AFL NO.
2.5 mm Universal adapter [b] with captivated sleeve	2900-50-0007MR
1.25 mm Universal adapter [c] with captivated sleeve	2900-50-0010MR

Notes:

a. All specifications valid at 25°C unless otherwise specified.
b. 2.5 mm Universal adapter accepts SC, FC, ST, E2000 ferrules.
c. 1.25 mm Universal adapter accepts LC, MU ferrules.

NOYES International Sales and Service Contact Information

Available at www.AFLglobal.com/NOYES/Contacts