Test & Inspection

VFI2 Visual Fault Identifier

HiLite Visual Fault Identifier

VFI2 and HiLite Visual Fault Identifiers

Features

- Visible red laser source, 650 nm
- High power, 1 mW into single-mode fiber
- Universal connector interface for quick connection
- 2.5 mm universal adapter (included) accepts PC and angled FC, SC, ST, etc. connectors
- 1.25 mm universal adapter (available and/or included) accepts LC and MU connectors

Applications

- Identify fiber faults inside OTDR dead-zone
- Identify sharp bends or breaks in fibers
- Identify poorly mated connectors
- Verify AFL FAST™ connector installation

Visual fault identifiers are visible red lasers designed to inject light energy into a fiber. Sharp bends, breaks, faulty connectors and other faults will "leak" red light generated by a VFI, allowing technicians to visually spot the defects.

The *NOYES*® brand VFI models deliver 1 mW of output power into single-mode fiber to ensure long range and exceptional brightness for locating defects in single-mode or multimode fibers.

A VFI is a useful addition to any fiber optic field tool kit. It can locate faults inside an OTDR's dead zone, perform quick continuity checks, trace fibers, check splices and field installed connectors.

The *NOYES*® brand visual fault identifier (VFI) is offered in two models:

- **HiLite** - miniature key-chain mountable VFI (key chain included)
- **VFI2** - hand-held VFI with rugged protective boot offering longer battery runtime

VFIs are important troubleshooting tools for fiber optic networks. AFL's solutions meet every need. The small HiLite is easy to carry anywhere - always available when you need it. The addition of the protective boot on the VFI2 provides an extremely robust field tool that can handle the rigors of any field test environment.

VFI2 and HiLite Visual Fault Identifiers

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.