



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

Visual fault identifiers are visible red lasers designed to inject light energy into a fibre. 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 fibre to ensure long range and exceptional brightness for locating defects in single-mode or multimode fibres.

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

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

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

VFIs are important troubleshooting tools for fibre 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 fibre)	
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

PART NUMBER	DESCRIPTION
VFI2-00-0900PR	VFI2 visual fault identifier with 2.5 mm adapter
VFI2-01-0900PR	VFI2 visual fault identifier with 2.5 mm and 1.25 mm adapters

HiLite Models

PART NUMBER	DESCRIPTION
VFI3-00-0900PR	HiLite visual fault identifier with 2.5 mm adapter
VFI3-01-0900PR	HiLite visual fault identifier with 2.5 mm and 1.25 mm adapters

Adapters

PART NUMBER	DESCRIPTION
2900-50-0007MR	2.5 mm universal adapter b with captivated sleeve
2900-50-0010MR	1.25 mm universal adapter c with captivated sleeve

Notes:

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