

Optical Fiber Visual Fault Locator, Field Heavy-Duty

Optical fiber visual fault locator can be used for locating various discontinuities in optical fibers, such as sharp bends, breaks, poor connector alignment, etc. and for fiber splicing and termination using light with wavelength in the visible spectrum.

Recommended as a light source in termination procedures of Signamax Field-Installable Pre-Polished Optical Fiber Connectors.

KEY FEATURES

- 650-nm laser diode (visible red)
- Constant output power
- Two types of connector interfaces:
 - 2.5-mm for ST-style connectors (SC, FC, etc.)
 - 1.25-mm for LC-style connectors
- Modes of operation: continuous and pulse
- Rugged, crash- and dust-proof metal body
- Low battery warning
- Convenient soft protection pouch
- Long battery life

ORDERING INFORMATION

Optical Fiber Visual Fault Locator, Field Heavy-Duty

Part Number	Description
OFVFL-3	Optical Fiber Visual Fault Locator, Field Heavy-Duty, 2.5 mm (ST, FC, SC)
OFVFL-3-1	1.25-mm (LC) Adapter for OFVFL-3

Batteries are not included; requires 2 AA-size batteries.



SPECIFICATIONS

CONSTRUCTION

- Body: metal alloy
crash- and dust-proof
- Light source: FP-LD laser diode
wavelength – 650±10 nm (visible red)
1 mW Class IIIa
ESD protection
- Operation buttons: power on/off
continuous/pulse mode

OPERATION MODES

- Continuous: steady illumination (green light constantly on)
- Pulse: 2-3 Hz high-contrast detection for environments with high-illumination levels (green light blinking)

CONNECTOR INTERFACE

- Standard: 2.5-mm adapter (ST-style connectors – ST, FC, SC)
- Optional: 1.25-mm adapter (LC-style connectors)

POWER SOURCE

- 2 AA-size batteries (not included in standard specification)
- Continuous operation: 65 hours typical
- Low battery warning (red light)

ENVIRONMENTAL CONDITIONS

- Operation: -10 – +45 °C (+14 – +113 °F)
- Storage: -40 – +70 °C (-40 – +158 °F)

DIMENSIONS

- L 180 mm D 15 mm
- L 7.1 in D 0.6 in

WEIGHT

- Weight: 120 g (4.3 oz) without batteries

COMPLIANCE

- ANSI Z136.1 Class IIIa, CE EMI/EMC, RoHS

RELATED PRODUCTS

Product/Product Group	Spec Sheet #
Optical Fiber Termination Tool Kit, Option 1 _____	PSS.OF-TTK-1 (A-AUG-13)
Optical Fiber Visual Fault Locator, Pocket-Pen Style _____	PSS.OF-VFL-PPS (A-AUG-13)
High-Precision Optical Fiber Cleaver _____	PSS.OF-HPC-1 (A-AUG-13)
Field-Installable Pre-Polished Optical Fiber Connectors _____	PSS.OFC-FIPP (A-MAR-11)

SPECIFICATIONS