

# Visual Fault Locators

## Optical Fiber Damage/Break Locator



**FFL-100**  
(Ruggedized)



**FFL-050**  
(Pocket-sized)

### Key Features

- Compact, ergonomic design for ultimate portability
- Visible wavelength is 650 nm
- High powered laser (1 mW) for single-mode (> 7 km) and multi-mode (> 5 km) connectors
- CONTINUOUS or FLASH illumination
- Universal connector interface for quick and easy connection
- 2.5 mm connector input (1.25 mm adapter available)
- Includes soft-sided carrying case with belt loop

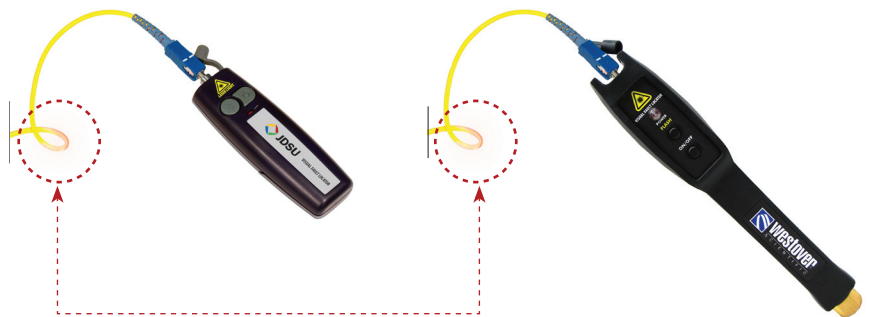
Whether installing or troubleshooting, the Visual Fault Locator (VFL) is an essential tool that quickly and easily locates problem areas in fiber cables. By pinpointing the exact location of fiber damage, technicians can diagnose, troubleshoot, and fix the problem efficiently. The VFL is also used for conducting continuity tests and performing fiber identification.

JDSU offers two unique versions of the VFL that are economically priced and ergonomically designed for comfortable handling and portability. Both versions are equipped with a 2.5 mm interface and are compatible with connectors such as SC, ST, and FC, while the 1.25 mm adapter enables connection to LC and MU connectors. The VFL emits a bright red laser beam (Class II), making the light escaping from the damaged fiber easily visible from a distance. The Continuous/Flash control button lets operators choose between continuous or flashing illumination.

### Applications

- Locate sharp bends, breaks, and damages in fiber
- Conduct end-to-end continuity tests
- Perform fiber tracing and identification

### Fiber Troubleshooting & Verification



Red illumination indicating fiber damage/bend

### Benefits

- Easy-to-use
- Quickly and easily locate damage in optical fiber
- CONTINUOUS and FLASHING illumination modes
- Economically priced
- Ruggedized and designed for demanding field use
- Long-lasting battery life
- Protective rubber end cap

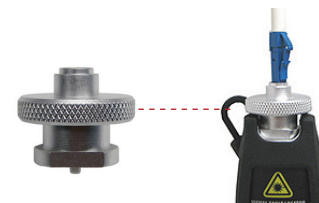
### Comparison

#### FFL-050 (Pocket-sized)

- Compact size for portability
- Uses two AAA batteries (included) with 30+ hours continuous power
- Universal 1.25 mm adapter sold separately

#### FFL-100 (Ruggedized)

- Rugged, shock-absorbing construction
- Uses two AA batteries (included) with 80+ hours continuous power
- Professional-grade with universal 1.25 mm adapter included



Universal 1.25 mm adapter for FFL-100

### Ordering Information

FFL-100	Visual fault locator (ruggedized) with 1.25 mm adapter
FFL-050	Visual fault locator (pocket-sized)
FFL-U12	Universal 1.25 mm adapter for FFL-100
FFL-050-U12	Universal 1.25 mm adapter for FFL-050

### Specifications

	FFL-050 (Pocket-sized)	FFL-100 (Ruggedized)
<b>Dimensions</b>	11.4 x 3.5 x 2.0 cm (4.5 x 1.4 x 0.8 in)	22.0 x 3.5 x 3.0 cm (8.7 x 1.4 x 1.2 in)
<b>Weight</b>	46 g (1.6 oz) with two AAA batteries	150 g (5.3 oz) with two AA batteries
<b>Fiber Compatibility</b>	Single-mode, Multimode	Single-mode, Multimode
<b>Wavelength</b>	650 nm (visible)	650 nm (visible)
<b>Laser Safety Rating</b>	Class II	Class II
<b>Output Power</b>	1.0 mW max	1.0 mW max
<b>Output Modes</b>	CONTINUOUS and FLASHING	CONTINUOUS and FLASHING
<b>Range</b>	> 7 km single-mode > 5 km multimode	> 7.5 km single-mode > 5 km multimode
<b>Connector Interface</b>	Universal 2.5 mm (fixed) Universal 1.25 mm adapter (sold separately)	Universal 2.5 mm (fixed) Universal 1.25 mm adapter (included)
<b>Controls</b>	ON/OFF Continuous/Flashing	ON/OFF Continuous/Flashing
<b>Battery Type</b>	Two AAA	Two AA
<b>Battery Life</b>	30+ hours on continuous	80+ hours on continuous
<b>Carrying Case</b>	Soft-sided with belt loop	Soft-sided with belt loop
<b>Safety</b>	1992, EN 61010-2, CE	1992, EN 61010-2, CE
<b>Warranty</b>	1 year	1 year

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