

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

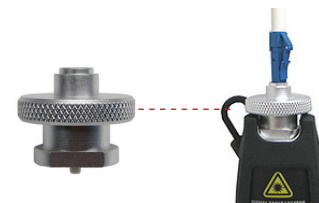
Comparison

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

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