

# 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

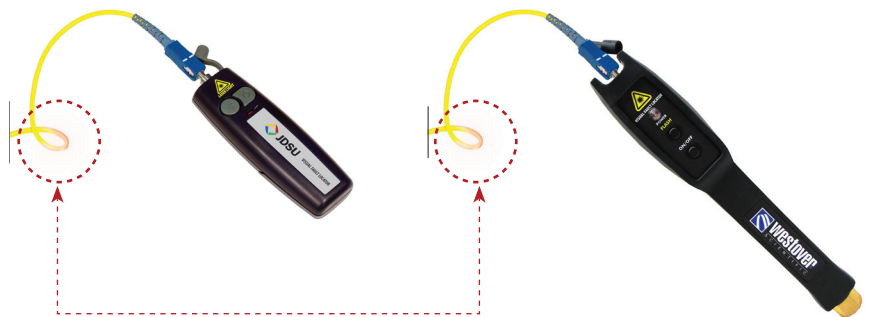
Whether installing or troubleshooting, the Visual Fault Locator (VFL) is an essential tool that quickly and easily locates problem areas in fiber cables. By pinpointing the exact location of fiber damage, technicians can diagnose, troubleshoot, and fix the problem efficiently. The VFL is also used for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

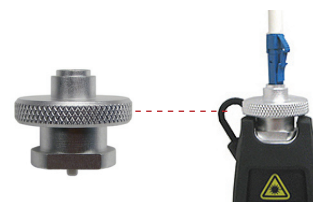
## Comparison

### 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



All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. The user assumes all risks and liability whatsoever in connection with the use of a product or its applications. JDSU reserves the right to change at any time without notice the design, specifications, function, fit or form of its products described herein, including withdrawal at any time of a product offered for sale herein. JDSU makes no representations that the products herein are free from any intellectual property claims of others. Please contact JDSU for more information. JDSU and the JDSU logo are trademarks of JDS Uniphase Corporation. Other trademarks are the property of their respective holders. © 2009 JDS Uniphase Corporation. All rights reserved. 30162537 000 0109 VFL.DS.FOP.TM.AE

## Test & Measurement Regional Sales

<b>NORTH AMERICA</b> TOLL FREE: 1 866 228 3762 FAX: +1 301 353 9216	<b>LATIN AMERICA</b> TEL: +1 954 688 5660 FAX: +1 954 345 4668	<b>ASIA PACIFIC</b> TEL: +852 2892 0990 FAX: +852 2892 0770	<b>EMEA</b> TEL: +49 7121 86 2222 FAX: +49 7121 86 1222	<b>www.jdsu.com/inspect</b>
---	--	---	---	-----------------------------