

VIAVI

Visual Fault Locators

Optical Fiber Damage/Break Locator

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.

VIAVI Solutions 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.



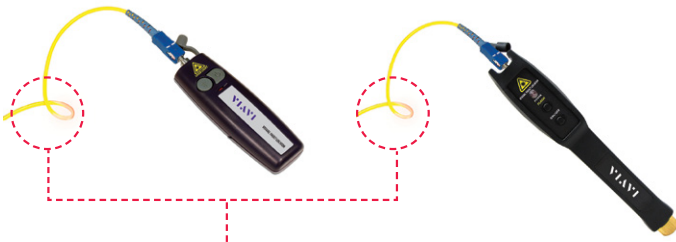
Benefits

- 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

Features

- Compact, ergonomic design for ultimate portability
- Visible wavelength is 650 nm
- High powered laser (1 mW) for single-mode (> 7 km) and multimode (> 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

Fiber Troubleshooting & Verification



Red illumination indicating fiber damage/bend

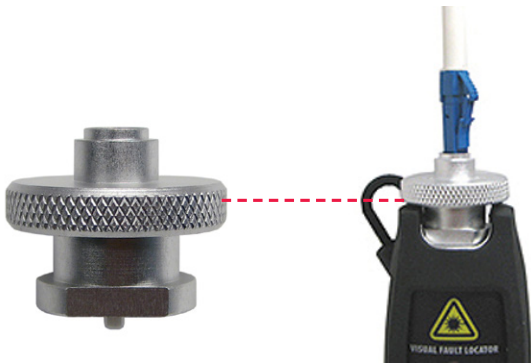
Comparison

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

Applications

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

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	
Wavelength	650 nm (visible)	
Laser Safety Rating	Class II	
Output Power	1.0 mW max	
Output Modes	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	
Battery Type	Two AAA	
Battery Life	30+ hours on continuous	80+ hours on continuous
Carrying Case	Soft-sided with belt loop	
Safety	1992, EN 61010-2, CE	
Warranty	1 year	

Ordering Information

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