FS FVFL-303 Mini Visual Fault Locator User Guide

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Introduction

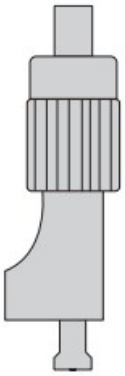
Mini Visual Fault Locator is a compact but powerful fiber optical cable test tool, with an output power of 10mW, 20mW, 30mW, which can be used to locate sharp bends & breaks in jacket or bare fiber. It can also be applied to identify the connectors in patch panels and identify the fibers during splicing operation. The choice of a continuous wave output mode for steady fault illumination or a flashing outputmode makes for easier fault location. With a secret key function, it is safer to use.

FVFL-301/FVFL-302/FVFL-303

Optional (Not Included)

- Battery x2

- Adapter x1

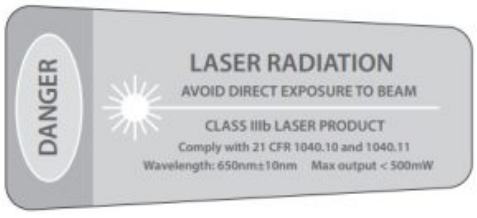


Function Introductions

Specification

Model	FVFL-301	FVFL-302	FVFL-303
Output Power	≥10mW	≥20mW	≥30mW
Detecting Range	About 12km	About 14.2km	About 15km
CW Mode Battery Life	About 6 hours	About 4 hours	About 3 hours
2Hz Mode Battery Life	About 12 hours	About 8 hours	About 6 hours
Laser Launcher Type	LD		
Optical Connector	universal 2.5mm adapter (FC/SC/ST)		
Output Wavelength	650nm±10nm		
Modulation Frequency	CW / 2Hz		
Laser Launcher Level	CLASS IIIb		

Laser Safety

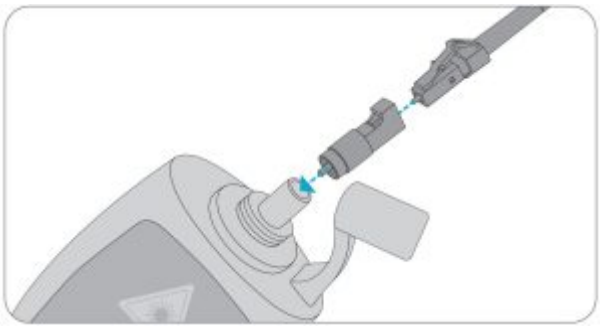


Laser safety label is on the body of the VFL. Comply with IEC 60825-1: 2014 and 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 56

Installing

Inserting FC Cables

Inserting LC Cables



Operation Instructions

1. Please install the battery correctly.
2. Long press the power button until the indicator light turns on, then press the power button three times, and the FN button three times to turn on the visual fault locator.
3. You can select continuous-wave output mode to stabilize the fault lighting or press the FN button to switch to flashing output mode.
4. Compact and intelligent design makes it good assistance in locating breakpoints of a fiber.
5. When you finishing the fiber testing, you can long-press the power button to close the visual fault locator.

Maintenance

1. Always vertically insert and pull out the connector of fiber. Otherwise, the ceramic tube may be broken.
2. Do not use inferior fiber pigtail or patch cord.
3. The connector must be well polished.
4. It is strictly prohibited to direct the human eye and please take precautions to avoid static electricity releasing.

Online Resources

- Download **https://www.fs.com/products_support.html**
- Support **https://www.fs.com/service/fs_support.html**
- Contact Us **https://www.fs.com/contact_us.html**

Product Warranty

FS ensures our customers that any damage or faulty items due to our workmanship, we will oer a free return

within 30 Days from the day you receive your goods.

Warranty: All Fiber Optic Inspections enjoy 1 year limited warranty against defect in materials or workmanship. For more details about warranty, please check at **https://www.fs.com/policies/warranty.html**

Return: If you want to return item(s), information on how to return can be found at **https://www.fs.com/policies/day_return_policy.html**

Compliance Information

FCC

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment o and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit dierent from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

CAUTION:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Responsible party (only for FCC matter)
FS.COM Inc.
380 Centerpoint Blvd, New Castle, DE 19720, United States
https://www.fs.com

FS.COM GmbH hereby declares that this device is in compliance with the Directive 2014/30/EU. A copy of the EU Declaration of Conformity is available at
https://www.fs.com/company/quality_control.html

Documents / Resources

	**FS FVFL-303 Mini Visual Fault Locator** [pdf] User Guide FVFL-303, Mini Visual Fault Locator, FVFL-301, FVFL-302, FVFL-303