

OPERATING INSTRUCTIONS

FIBER OPTIC VISUAL FAULT LOCATOR (FO-VFL)

Warning! This tool should not be used on live electrical circuits. It is not protected against electrical shock! Always use OSHA/ANSI/CE or other industry approved eye protection when using tools. This tool is not to be used for purposes other than intended. Read carefully and understand instructions before using this tool.



The Miller® Fiber Optic Visual Fault Locator (FO-VFL) is a visible laser light source that helps you trace optical fibers, check fiber continuity, find faults such as breaks, bad splices, and tight bends in fiber optic cable.

Safety Information

Warning: Class 3A Laser

To avoid possible eye damage caused by hazardous radiation:

- Never look directly into the laser light output. Momentary exposure to the light output will not damage your eyes; however, long-term exposure is potentially hazardous.
- Cover the light output with the dust cap when the FO-VFL is not in use.
- Do not magnify or otherwise modify the laser output. Use only approved connectors and adapters.

Operation - Refer to Figure 1.

1. Remove the dust cap, then clean the light output adapter and the connector on the fiber to be tested.
2. Insert the fiber optic connector into the FO-VFL's light output adapter. Our FO-VFL's universal fiber adapter accepts connectors with 2.5mm ferrules (SC, ST, FC, APC, E2000). Available as an option, is a 1.25mm adapter, P/N 80912.
3. Press the power button to turn on the FO-VFL.
4. Press the mode button to activate the laser. Use this mode button to toggle between continuous and pulse modes. The status LED indicates the light output status, including low battery.
Status LED functions:
 - no light = laser not activated
 - continuous green = continuous laser mode
 - blinking green = pulse laser mode
 - red = low battery
5. Inspect the fiber for any faults, as evidence by red light escaping the jacket. Pulse mode helps to quickly identify breaks or bends in longer fiber.
NOTE: If laser fails to turn on, check for proper orientation of batteries and retighten the battery cap.
6. Turn off the FO-VFL before disconnecting it from the fiber. Replace the dust cap. A yellow stripe on the power button will show when the power button is in the off position.

Note: The average laser life in this product is approximately 3000 hours.
Turn power and mode button OFF when unit is not in use.

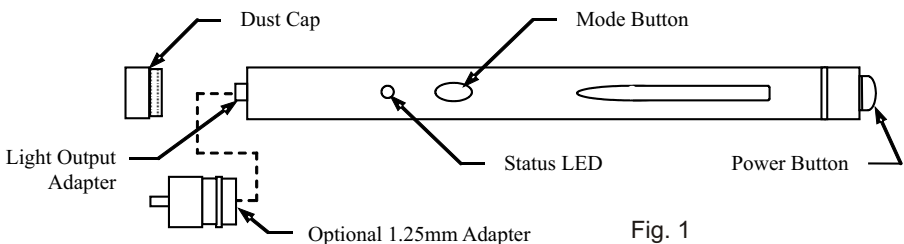


Fig. 1

Changing Batteries

Refer to Figure 2.

1. When the batteries are low (after about 40 hours of operation), the status LED will turn red when switched on.
2. Ensure two 1.5V AAA batteries are correctly oriented, with the positive (+) poles facing away from the light output adapter.

Warning: Never look directly into the laser light output.

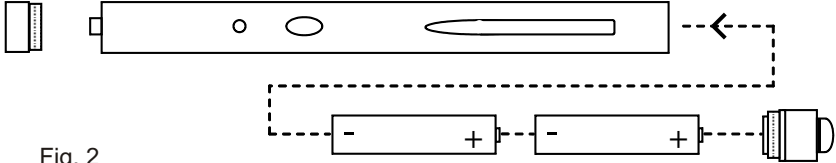


Fig. 2

1.25mm Connector Adapter: **P/N 80911**

IMPORTANT INFORMATION

This Product falls within the scope of the Waste Electrical & Electronic Equipment Directive (WEEE) 2002/96 EC.

Do not dispose with household waste.

Please recycle where facilities exist.



WARRANTY: The Ripley Company warrants that our line of tools are free of defect and fully operable at the time of shipment. The warranty is limited to the repair or replacement of any product which proves to be defective in material or workmanship, under normal use and service. This does not affect your statutory rights.



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