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.

FO-VFL   ripley-tools.com   *MILLER*®   By   RIPLEY®

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 kit, p/n 80918.
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.
   Status LED functions: no light = laser not activated
                                 continuous red = continuous laser mode
                                 slow blinking red = pulse laser mode 2-3Hz
                                 fast blinking red = pulse laser mode 9Hz
5. Inspect the fiber for any faults, as evidenced 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 re-tighten the battery cap.
6. Turn off the FO-VFL before disconnecting it from the fiber. Replace the dust cap.

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

Dust Cap   Mode Button

Light Output Adapter   Status LED   Power Button

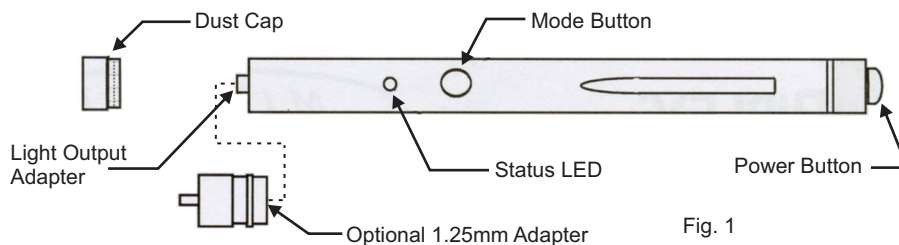Optional 1.25mm Adapter   Fig. 1

Changing Batteries

Refer to Figure 2.
1. Ensure two 1.5V AAA batteries are correctly oriented, with the positive (+) poles facing toward the power switch.

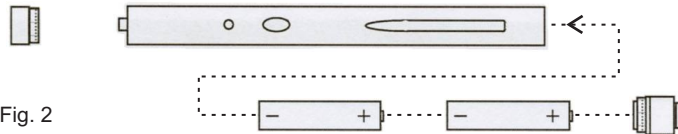**Warning:** **Never look directly into the laser light output.**

Fig. 2

Declaration of Conformity

The equipment which accompanies this declaration is in conformity with EU Directives **2014/30/EU.Electromagnetic Compatibility Directive, 2015/863/EU RoHS 3 Directive, 2014/35/EU.Low Voltage Directive,**

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                             Kingswinford
                             West Midlands,DY6 7UZ
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A copy of the Technical file for this equipment is available from the EU address above.

Description of Equipment.
Fiber Optic Visual Fault Locater/laser Pen, FO-VFL Part No 80910/80920(VFL-650-6-S)

Applicable harmonized Standards; EN 55022:2010, EN61000-3-2:2006+A1:2009+A2:2009, EN 61000-3-3:2013, EN55204:2010, EN60825-1.

Technical References/Date; BST1412394140002Y-1RR-4, 24/12/2014:BST1412394140001Y-1ER-1, 20/12/2014:BST1412394140001-1SR-2, 23/12/2014

Authorised signatory of EU Representative.

Name;   Keith Badger
Position;   Director of Sales and Operations
Place;   Kingswinford
Date;   21/11/2018

Document ref; doc3

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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.

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