

# Visual Fault Finder for Fiber Optic Cable

The VFF5 Visual Fault Finder is a light source used to locate breaks and misconnections in fiber optic cables. It's ideal to verify continuity, test and find breaks in LANs, fiber data links and loops, telephone, shipboard and other vessels, and intrinsically safe process applications where fiber is used instead of copper.

- *Finds Breaks, Faulty Splices and Crimps, Poor Components or Connections*
- *Low-Cost, Basic Fiber Test Tool*
- *Slim, Pocket-Sized Tool*
- *High Output, Class 2, 670nm Laser Diode*
- *Includes Carrying Case, Lens Cap, Batteries, Lanyard, and Instruction Sheet*
- *Rugged, Metal Housing*
- *Battery-Powered*



# Model VFF5



**A** hand-held, battery-powered tool, the VFF5 projects a highly visible red light into a fiber optic cable. The operator simply looks at the length of cable and where light is seen, there is a break. The VFF5 is equipped with a high-power, extra long-life, 670nm laser diode which operates either in Continuous (CW) or Modulated (MOD; 1Hz Pulse) mode. A slide switch allows the user to select the mode. Any breaks will be seen as a conspicuously glowing or blinking red light area. A red LED on the outer case echoes the operation mode selected.

The VFF5 is useful over a distance of 5km (3 miles) and can be used with single-mode and multimode cable. Use it as a stand-alone first-line basic troubleshooting tool, or in conjunction with an OTDR to pinpoint faults. The unit is packaged in a pocket-sized, rugged metal housing and is fitted with a standard ST connector.



## SPECIFICATIONS

(at 23°C ±3°C, <70% RH)

Model Number: **VFF5**

Light source: *Class 2 Laser diode*

Central wavelength: *670nm/±20nm*

Spectral width (FWHM): *<5nm*

Output power:  
-3dBm to -6dBm (into SMF-28 fiber)  
3dBm Max. (into free space)

Laser light pulse duration:  
*Continuous in CW mode*  
*600ms in 1Hz modulation mode*

Environment:  
*Operation: -10°C to +50°C,*  
*0 to 95%RH (non-condensing)*

Storage:  
*-20°C to +80°C, 0 to 95%RH*  
*(non-condensing)*

Power supply:  
*Two 1.5V AA Alkaline batteries; ≥30 hrs.*

Dimension & Weight (w/ batteries):  
*Length: 203mm with ST dust cap*

*Diameter: 22mm*

*Approx. Weight: 230g*

Connector: *ST*

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