



**Save time  
and money  
troubleshooting  
fibre.**



## Fibre Optic Visual Fault Finder

The Visual Fault Finder is a light source used to locate breaks, poor mechanical splices and damaged connectors in fibre optic cables.

It's perfect to verify continuity, test and find breaks in fibre links, locate pinched fibre strands in termination cabinets, or anywhere fibre optic cables are terminated and subject to mechanical damage.

### Key Features

- **Assists in the termination** of “no-polish” connectors by indicating proper cleave alignment in connectors such as the MTRJ
- **Universal 2.5mm interface** connects directly to ST®, SC, and FC connectors
- **Non-roll design** - essential for bench top use when terminating mechanical splices or internal-splice connectors
- **Rugged, metal body**, with protective Santoprene® over-sleeve

# Fibre Optic

## Visual Fault Finder

A hand-held, battery-powered tool, the VFF projects a highly visible red light into a fibre optic cable. The operator simply looks at the length of cable and where light is seen, there is a break. The VFF is equipped with a high-power, extra long-life, 650nm laser diode which operates either in Continuous (CW) or Modulated (MOD; 1Hz Pulse) mode. A push button allows the user to select the mode while preventing accidental operation. Any breaks will be seen as a conspicuously glowing or blinking red light area (in 3mm or smaller cables). A red LED on the outer case echoes the operation mode selected.

The VFF is useful over a distance of approximately 5km (3.1mi) into multimode fibre and single mode fibre 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 2.5 mm universal connector that accepts ST, SC and FC optical connectors. The VFF is also an excellent aide to technicians terminating mechanical splices or internal- splice style connectors where leaking light is an indicator of a poor fibre cleave or other misalignment.

Specifications (at 23°C ±3°C, <70% RH)	
Catalog number	VFF5
Light source	Class II laser diode
Central wavelength	650nm/±10nm
Spectral width (FWHM)	<5nm
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
Dimension and weight (w/ batteries)	Length: 203mm with ST dust cap Diameter: 22mm Approximate weight: 230g
Connector	2.5mm universal
Battery life	>80 hours
Weight (w/o batteries):	0.30lbs/136g
Length	8.7in/220mm
Diameter	1.25in/32mm
Included Accessories	Includes holster, integrated rubber port cover, lanyard, cell-phone style belt clip, instruction sheet and batteries

Specifications subject to change without notice.

