



Save time
and money
troubleshooting
fiber.



Fiber Optic Visual Fault Finder

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

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

Key Benefits

- **Universal 2.5 & 1.25mm interface** connects directly to SC, FC, ST and LC (with LC converter) for all types connectors
- **Efficient operation** at battery voltages as low as 1.6 V for longer battery life, cost savings, and eco-friendly performance
- **Enhanced ESD and surge current protection** on the laser diode ensures long-term robustness and reliability
- **Constant output power** till end of battery life
- **Rugged, metal body**, with protective Santoprene® over-sleeve
- **Replaceable ceramic tube** saving the down time and cost of repairing
- **Assists in the termination** of “no-polish” connectors by indicating proper cleave alignment in connectors such as the MTRJ

For more information please call
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www.trend-networks.com

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A hand-held, battery-powered tool, the VFF 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 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 green LED on the outer case echoes the operation mode selected.

The VFF is useful over a distance of approximately 5km (3.1mi) into multimode fiber and single mode fiber. 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. The VFF is supplied with both FC and LC adapters allowing for stable testing of all common connectors. Terminating mechanical splices or internal-splice style connectors where leaking light is an indicator of a poor fiber cleave or other misalignment.

The VFF has been designed for coping with extreme low voltage battery (1.6V) and high voltage ESD and surge current protection. The replaceable ceramic tube design saves the cost and time allowing the user to replace a damaged ceramic tube.



Specifications (at 23°C ±3°C, <70% RH)	
Catalog number	VFF5
Light source	Class II laser diode
Max output	1.0mW
Central wavelength	650nm/±10nm
Spectral width (FWHM)	<5nm
Emitter type	FP-LD
Laser light pulse duration	Continuous in CW mode and 510 ms 1Hz modulation mode
Environment	Operation: -10°C to +45°C, 0 to 95%RH (non-condensing)
Storage	-40°C to +70°C, 0 to 95%RH (non-condensing)
Power supply	Two 1.5V AA Alkaline batteries
Dimension and weight (w/ battery & LC converter)	Length: 223mm/8.8in with dust cap Diameter: 30mm/1.18in (largest) Approximate weight (with LC converter): 200g/0.44lbs
Connector	2.5mm universal, FC and 1.25mm universal via FC-LC converter
Battery life	>24 hours (continuous mode), >80 hours (flash mode)
Weight (w/o batteries):	155g/0.34lbs
Standard compliance	CE and UKCA (EN61000-6-1, EN61000-6-3)
Included Accessories	Includes carry case, integrated protective cap, lanyard, belt clip, instruction sheet, batteries, spare ceramic tube, FC adapter, FC(male) -LC universal converter and pack of swabs



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