

# Precision Coupled Visual Fault Locator

## Visual Fault Locator



### Features & Benefits

- High-intensity visible laser allows for visible fault location of breaks and micro-bends in both Single Mode and Multi Mode fibres.
- Both Continuous Wave mode and Pulsed mode allow for easy fibre identification.
- Standard ST connector (other connector options may be available).
- Simple single-switch operation.
- CW Mode - 15 hours use on one 9v battery.
- Pulsed Mode - 120 hours use on one 9v battery.
- Low-battery indicator.
- Handheld and lightweight.

PCVFL (Precision Coupled Visual Fault Locator) is a lightweight, hand-held tool used to quickly trouble-shoot faults in the continuity of both Single Mode and Multi Mode fibres, especially at fibre launch points or in OTDR dead zones.

A high-intensity visible red laser beam is precision coupled into an optical fibre; breaks and micro-bends in the fibre deflect the red light into the fibre jacket, producing a red glow at the point of the fault.

Additionally, the PCVFL can be used as an end-to-end visual fibre identifier, which is useful for locating fibres terminated in poorly labelled or unlabelled fibre patch panels.

A single switch is used to operate the PCVFL, toggling the unit between OFF, CW (continuous wave), and Pulsed modes.

Typical battery life in CW mode is 15 hours, and the short 12.5% duty cycle in pulsed mode extends the battery life to 120 hours of continuous use.

The PCVFL ships standard with ST connectors. Other connector options may be available.

**Extreme caution must be exercised when operating the PCVFL. Lasers such as the ones in the PCVFL produce intense beams of laser light that are harmful to the eye.**

**TO ENSURE YOUR SAFETY: NEVER LOOK INTO A LIGHT SOURCE OR THE END OF A FIBRE THAT MAY BE ENERGISED BY A SOURCE! Exposure to such energy can cause serious retina damage, and prolonged exposure can cause blindness.**

## Specifications

### Precision Coupled Visual Fault Locator (PC-VFL)

Visual range	Up to 5 kilometers (3.1 miles)
Optical output	-2dBm (minimum) red laser
Optical transmission	Continuous Wave or pulsed at 6Hz w/12.5% duty cycle
Dimensions	125 x 70 x 33mm (4.94" x 2.75" x 1.28")
Weight	170g (6oz.)

Conforms to the Harmonised European Standards EN61326-1 and EN61010-1.

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