

Precision Coupled Visual Fault Locator

SKU: PCVFL-1

Visual Fault Locator

Features

High-intensity visible laser allows for visible fault location of breaks and microbends in both single-mode and multimode fibers

Both Continuous Wave mode and Pulsed mode allow for easy fiber identification

2.5mm universal connector port - allows connection to ST, SC, and FC connectors

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

Hand-held

Lightweight

Key Specifications

Model Number	PCVFL-1
Visual Range	up to 5 kilometers (3.1 miles)
Optical Output	at least 1 mW red laser
Optical Transmission	Continuous Wave or pulsed at 6 Hz w/12.5% duty cycle
Dimensions	4.94 x 2.75 x 1.28 in
Weight	6 ounces

Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.



Applications

PCVFL (Precision Coupled Visual Fault Locator) is a light-weight, hand-held tool used to quickly troubleshoot faults in the continuity of both single-mode and multimode fibers, especially at fiber launch points or in OTDR dead zones.

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

Additionally, the PCVFL can be used as an end-to-end visual fiber identifier, which is useful for locating fibers terminated in poorly labeled or unlabeled fiber 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 a 2.5mm universal connector port, which allows for connection to ST, SC, and FC connectors.

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 FIBER THAT MAY BE ENERGIZED BY A SOURCE!

Exposure to such energy can cause serious retina damage, and prolonged exposure can cause blindness.



MADE IN USA

N.I.S.T. Traceable

Product manuals come in PDF format on CD. Adobe Acrobat Reader™ is required to view these documents.

Patch cables are available for an additional charge. Contact OWL for more information.

