

Features

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

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

Standard ST connector

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

Lightweight

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



MADE IN USA

N.I.S.T. Traceable



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 multi-mode fibers, especially at fiber launch points or in OTDR dead zones.

A high-intensity visible red laser beam is precision-coupled into an 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 ST connectors, or for added flexibility, a 2.5mm universal fiber connector option is 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 FIBER THAT MAY BE ENERGIZED BY A SOURCE!

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

Key Specifications

Visual Range	up to 5 kilometers (3.1 miles)
Optical Output	1 mW red laser (max)
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

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