

# ZOOM 2 VFL

SKU: ZO-2V

Optical Power Meter w/integrated VFL

## Features

1mm photodetector with 2.5mm universal adapter port (for ST, SC, FC, and others) and 1.25mm universal adapter port (for LC, MU, and other SFF connectors)

Multimode and singlemode ready

Graphic LCD display with intuitive user interface

Simple 2-key operation

Power measurements shown in dBm, dB, or microwatts

Stores optical references for each wavelength to be used for optical loss testing

Long battery life - up to 250 hrs (Rechargeable Lithium Polymer battery)

Integrated visual fault locator (VFL) for fiber identification and near-end fault detection



## Applications

The ZOOM 2 VFL is a high accuracy, high resolution, microprocessor controlled, optical power meter. It has a 65dB dynamic range, and is calibrated at 850, 1300, 1310, 1490, and 1550nm, making it ideal for both singlemode and multimode fiber testing, including Fiber To The Home (FTTH) PON networks.

It is enclosed in an attractive handheld case with a graphic liquid crystal display, and 2-key keypad for easy operation. Its 2.5mm universal fiber connector port allows connection to ST, SC, FC, and other popular 2.5mm ferrule connectors, will operate for over 250 hours on its internal high-capacity rechargeable Lithium Polymer battery, and has built-in auto shutdown. Reference values for each calibrated wavelength can be stored in permanent memory for quick and simple optical loss measurements.

The ZOOM 2 VFL also contains a precision-coupled visual fault locator optimized for fiber optics. An optical ball lens placed near the laser output focuses the light for optimum input into fiber optic cables, and special current-limiting electronics prevents laser burnout (a common problem with pen-style laser pointers), increasing the life of the VFL.

Its high-intensity red laser allows for fiber identification up to 5 kilometers away through both multimode and singlemode fibers.

It can also be used to check for faults within a few feet of its launch point. When the bright red light encounters a fault, the light is deflected into the jacket, producing a red glow at the point of the fault.



ASSEMBLED IN USA

N.I.S.T. Traceable

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

Carrying cases and patch cables are available for an additional charge. Call 262-473-0643 for more information.

## Key Specifications

### Power Meter

Measurement range	+5 to -60dBm
Absolute accuracy <sup>1</sup>	+/- 0.20dB
Calibrated wavelengths	850, 1300, 1310, 1490, 1550nm
Resolution	0.01dB
Linearity <sup>1</sup>	+/- 0.20dB
Dimensions	4.94 x 2.75 x 1.28 in

1: Over range of 0 to -45 dBm

### Visual Fault Locator

Visual Range	up to 5 kilometers
Optical Output	>= 1 mW red laser
Optical Transmission	Continuous Wave / Modulated

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



**O.W.L.** MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT  
OPTICAL WAVELENGTH LABORATORIES™



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