

# ZOOM II / Dual OWL / Laser OWL Test Kit

SKU: KIT-Z2-D2xx-L2xx (see below for connector options)

Singlemode / Multimode Fiber Test Kit

## Overview

The **ZOOM II / Dual OWL / Laser OWL Test Kit** is ideal for LAN managers and installers who need to do simple attenuation tests on their multimode and single-mode networks.

The **ZOOM II (Zeroed Output Optical Meter)** is an economical fiber optic power meter. It provides accurate testing of multimode and singlemode fiber cables. The 4-digit 7-segment LCD displays power readings with a resolution of 0.01dB. On-screen indicators display measurement units (dBm, dB, uW), as well as battery life. The ZOOM II comes configured with a 2.5mm universal connector for connection to ST or SC connectors, as well as any other fiber connector with a 2.5mm ferrule.

The **Dual OWL** is a 850/1300nm NIST traceable multimode light source. Its dual wavelength outputs are temperature-stabilized for accurate measurements. The **Dual OWL** has two connector options: ST or SC.

The **Laser OWL** is a NIST traceable singlemode light source. Its dual wavelength outputs (1310nm / 1550nm) are temperature-stabilized for accurate measurements. Three connector options are available (ST, SC, and FC).

## Kit Contents

- Power Meter:** ZOOM II
- Light Source:** Dual OWL  
Laser OWL
- Accessories:** Product manuals  
9-volt batteries  
NIST certificate  
Carrying case  
Protective rubber boots



## Features

- Economical option for quick attenuation and loss testing of both multimode and singlemode networks
- Easy-to-read 4-digit 7-segment LCD display
- Store reference values for calibrated wavelengths
- Intuitive 2-button interface on both units
- On-screen wavelength, measurement units, and low battery indicator
- NIST traceable



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.

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



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## Specifications

### ZOOM II Optical Power Meter

<b>Detector</b>	Ge 1mm
<b>Calibrated Wavelengths</b>	850nm, 1300, 1310nm, 1550nm
<b>Measurement Range</b>	+5 to -60 dBm
<b>Accuracy</b>	±0.15 dBm
<b>Resolution</b>	0.01 dBm
<b>Battery Life</b>	up to 250 hours
<b>Operating Temperature</b>	-10 to 55 C
<b>Storage Temperature</b>	-30 to 70 C
<b>NIST Traceable</b>	Yes
<b>Battery Capacity Display</b>	Yes
<b>Connector</b>	2.5mm Universal
<b>Width</b>	2.75"
<b>Height</b>	4.94"
<b>Depth</b>	1.28"
<b>Weight</b>	154g

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

### Dual OWL Multimode Light Source

<b>Launch Method</b>	LED
<b>Connector</b>	ST or SC
<b>Center Wavelength (850nm)</b>	850 ±20nm
<b>Center Wavelength (1300nm)</b>	1290nm min 1350nm max
<b>Spectral Width (FWHM; 850 nm)</b>	35 nm
<b>Spectral Width (FWHM; 1300nm)</b>	170 nm
<b>Output Power</b>	-20.0 dBm
<b>Initial Accuracy</b>	0.1 dB
<b>Fiber Type</b>	multimode
<b>Battery Life</b>	40 hrs.
<b>Battery Capacity Display</b>	Yes
<b>Operating Temperature</b>	0 to 55° C
<b>Storage Temperature</b>	0 to 75° C
<b>Width</b>	2.75"
<b>Height</b>	4.94"
<b>Depth</b>	1.28"
<b>Weight</b>	154g

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

### Laser OWL Singlemode Laser Source

<b>Launch Method</b>	FP Laser
<b>Connector</b>	ST, SC, or FC
<b>Center Wavelength (1310nm)</b>	1310 ±30nm
<b>Center Wavelength (1550nm)</b>	1550 ±30nm
<b>Spectral Width (FWHM)</b>	2 nm
<b>Output Power</b>	-10.0 dBm
<b>Initial Accuracy</b>	0.1 dB
<b>Fiber Type</b>	singlemode
<b>Battery Life</b>	25 hrs.
<b>Battery Capacity Display</b>	Yes
<b>Operating Temperature</b>	0 to 55° C
<b>Storage Temperature</b>	0 to 75° C
<b>Width</b>	2.75"
<b>Height</b>	4.94"
<b>Depth</b>	1.28"
<b>Weight</b>	154g

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

