

# ZOOM / Dual OWL / Laser OWL Test Kit

Multi-mode and Single Mode Ready  
Fiber Test Kit

## Overview

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

The **ZOOM** is an economical fiber optic power meter. It provides accurate testing of multi-mode and single mode fiber cables when used with a multi-mode or single mode light source. The 7-segment LED display shows power readings with a resolution of 0.1dB. LED indicators confirm selection of dB or dBm mode and verify that the battery power is sufficient to maintain accurate measurements. The ZOOM comes configured with a 2.5mm fixed universal connector.

The **Dual OWL** is our 850/1300nm NIST traceable multi-mode 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 our NIST traceable single mode light source. Its dual wavelength outputs (1310nm / 1550nm) are temperature-stabilized for accurate measurements. Three connector options are available (ST, SC, and FC).

Small  
Handheld  
Size



## Features

- Economical option for quick attenuation and loss testing of both multi-mode and single mode networks
- Easy-to-read 7-segment LED displays power in both dBm and dB
- Store reference values for calibrated wavelengths
- Single push-button for setting "zero" reference
- Simple on switch operation
- Hard-plastic weather-tight carrying case
- Power on / low battery indicators
- NIST traceable

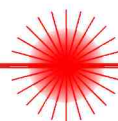
## Kit Contents

<b>Power Meter:</b>	ZOOM
<b>Light Source:</b>	Dual OWL Laser OWL
<b>Accessories:</b>	Product manuals 9-volt batteries NIST certificate Carrying case



MADE IN USA

NIST  
Traceable



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## Specifications

### ZOOM Optical Power Meter

<b>Detector</b>	Ge 1mm (ZO-1)
<b>Calibrated Wavelengths</b>	850nm, 1300/1310nm, 1550nm
<b>Measurement Range</b>	+3 to -52 dBm (standard)
<b>Accuracy</b>	±0.24 dBm
<b>Resolution</b>	0.10 dBm
<b>Battery Life</b>	15hrs.
<b>Operating Temperature</b>	0 to 55°C
<b>NIST Traceable</b>	Yes
<b>Battery Capacity Display</b>	Yes
<b>Connector</b>	2.5mm Fixed Univ. (ZO-1)
<b>Width</b>	2.75"
<b>Height</b>	4.94"
<b>Depth</b>	1.28"
<b>Weight</b>	154g

### Dual OWL Multi-mode 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>	Multi-mode
<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

### Laser OWL Single Mode 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; 1310/1550 nm)</b>	2 nm
<b>Output Power</b>	-10.0 dBm
<b>Initial Accuracy</b>	0.1 dB
<b>Fiber Type</b>	Single Mode
<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

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.  
Call 262-473-0643 for more information.