

# ZOOM II / Dual OWL 850 Test Kit

SKU: KIT-Z2-D285st (ST connector option)  
SKU: KIT-Z2-D285sc (SC connector option)

Multimode Fiber Test Kit

## Overview

The **ZOOM II / Dual OWL 850 Test Kit** is ideal for LAN managers and installers who need to do simple attenuation tests on their Multimode networks.

The **ZOOM II (Zeroed Output Optical Meter)** is an economical fiber optic power meter. It provides accurate testing of multimode fiber cables when used with a 850nm multimode light source. 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 850** is our 850nm NIST traceable Multimode light source. Its 850nm output is temperature-stabilized for accurate measurements. The **Dual OWL 850** has two connector options: ST or SC.



## Features

Economical option for quick attenuation and loss testing of multimode networks at 850nm

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

## Kit Contents

- Power Meter:** ZOOM II
- Light Source:** Dual OWL 850
- Accessories:** Product manuals  
9-volt batteries  
NIST certificate  
Carrying case  
Protective rubber boots



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.



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## Specifications

### ZOOM 2 Optical Power Meter

Detector	InGaAs 1mm
Calibrated Wavelengths	850nm, 1300, 1310nm, 1550nm
Measurement Range	+5 to -60 dBm
Accuracy <sup>1</sup>	±0.15 dB
Linearity <sup>1</sup>	±0.20 dB
Resolution	0.01 dBm
Battery Life	up to 250 hours
Operating Temperature	0 to 55°C
NIST Traceable	Yes
Battery Capacity Display	Yes
Connector	2.5mm Universal
Width	2.75"
Height	4.94"
Depth	1.28"
Weight	154g

1: Over range of 0 to -45 dBm

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

### Dual OWL 850 Multimode Light Source

Launch Method	LED
Connector	ST or SC
Center Wavelength	850 ±30nm
Spectral Width (FWHM)	60 nm
Output Power	-20.0 dBm
Initial Accuracy	0.1 dB
Fiber Type	Multimode
Battery Life	40 hours
Battery Capacity Display	Yes
Operating Temperature	0 to 55° C
Storage Temperature	0 to 75° C
Width	2.75"
Height	4.94"
Depth	1.28"
Weight	154g

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

