

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



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

Detector	InGaAs 1mm
Calibrated Wavelengths	850nm, 1300, 1310nm, 1550nm
Measurement Range	+5 to -60 dBm
Accuracy¹	±0.15 dB
Linearity¹	±0.20 dB
Resolution	0.01 dBm
Battery Life	up to 250 hours
Operating Temperature	-10 to 55 C
Storage Temperature	-30 to 70 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 Multimode Light Source

Launch Method	LED
Connector	ST or SC
Center Wavelength (850nm)	850 ±20nm
Center Wavelength (1300nm)	1290nm min 1350nm max
Spectral Width (FWHM; 850 nm)	35 nm
Spectral Width (FWHM; 1300nm)	170 nm
Output Power	-20.0 dBm
Initial Accuracy	0.1 dB
Fiber Type	multimode
Battery Life	40 hrs.
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.

Laser OWL Singlemode Laser Source

Launch Method	FP Laser
Connector	ST, SC, or FC
Center Wavelength (1310nm)	1310 ±30nm
Center Wavelength (1550nm)	1550 ±30nm
Spectral Width (FWHM)	2 nm
Output Power	-10.0 dBm
Initial Accuracy	0.1 dB
Fiber Type	singlemode
Battery Life	25 hrs.
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.

