

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

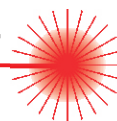


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N.I.S.T. Traceable

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		Dual OWL Multimode Light Source		Laser OWL Singlemode Laser Source	
Detector	InGaAs 1mm	Launch Method	LED	Launch Method	FP Laser
Calibrated Wavelengths	850nm, 1300, 1310nm, 1550nm	Connector	ST or SC	Connector	ST, SC, or FC
Measurement Range	+5 to -60 dBm	Center Wavelength (850nm)	850 ±30nm	Center Wavelength (1310nm)	1310 ±30nm
Accuracy¹	±0.15 dB	Center Wavelength (1300nm)	1290nm min 1350nm max	Center Wavelength (1550nm)	1550 ±30nm
Linearity¹	±0.20 dB	Spectral Width (FWHM; 850 nm)	60 nm	Spectral Width (FWHM)	2 nm
Resolution	0.01 dBm	Spectral Width (FWHM; 1300nm)	170 nm	Output Power	-10.0 dBm
Battery Life	up to 250 hours	Output Power	-20.0 dBm	Initial Accuracy	0.1 dB
Operating Temperature	-10 to 55 C	Initial Accuracy	0.1 dB	Fiber Type	singlemode
Storage Temperature	-30 to 70 C	Fiber Type	multimode	Battery Life	25 hrs.
NIST Traceable	Yes	Battery Life	40 hrs.	Battery Capacity Display	Yes
Battery Capacity Display	Yes	Battery Capacity Display	Yes	Operating Temperature	0 to 55° C
Connector	2.5mm Universal	Operating Temperature	0 to 55° C	Storage Temperature	0 to 75° C
Width	2.75"	Storage Temperature	0 to 75° C	Width	2.75"
Height	4.94"	Width	2.75"	Height	4.94"
Depth	1.28"	Height	4.94"	Depth	1.28"
Weight	154g	Depth	1.28"	Weight	154g
		Weight	154g		

1: Over range of 0 to -45 dBm

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

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