

ZOOM / Laser OWL Test Kit

Single Mode FiberTest Kit

Overview

The **ZOOM-1mm / Laser OWL Test Kit** is ideal for LAN managers and installers who need to do simple attenuation tests on their single mode networks.

The **ZOOM-1mm** is an economical fiber optic power meter. It provides accurate testing of single mode fiber cables when used with a 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-1mm comes configured with a 2.5mm fixed universal connector.

The **Laser OWL** is our 1310/1550nm NIST traceable single mode light source. Its dual wavelength outputs are temperature-stabilized for accurate measurements. The Laser OWL has three connector options: ST, SC, or FC.

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.



MADE IN USA

NIST
Traceable



Kit Contents

Power Meter:	ZOOM
Light Source:	Laser OWL
Accessories:	product manuals 9-volt batteries NIST certificate Carrying case

Features

- Economical option for quick attenuation and loss testing of 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 carrying case
- Power on / low battery indicators
- NIST traceable

Specifications

ZOOM Optical Power Meter

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

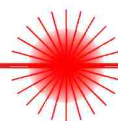
Laser OWL Single Mode Laser Source

Launch Method	FP Laser
Connector	ST, SC, or FC
Center Wavelength (1310nm)	1310 ±30nm
Center Wavelength (1550nm)	1550 ±30nm
Spectral Width (FWHM; 1310 / 1550 nm)	2 nm
Output Power	-10.0 dBm
Initial Accuracy	0.1 dB
Fiber Type	Single Mode
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



O.W.L. Optical Wavelength Laboratories

Manufacturer of Quality Optical Fiber Test Equipment



9623 US Hwy 12, Whitewater, WI 53190
Phone (262)473-0643 Fax: (262)473-8737
<http://owl-inc.com>