

# Silicon ZOOM 2 (Zeroed Output Optical Meter)

SKU: ZO2S

Optical Power Meter

## Features

Silicon photodetector with 2.5mm universal adapter port (ST, SC, FC, and other 2.5mm connectors)

Multimode ready

Graphical LCD display with intuitive user interface

Simple 2-key operation

Power measurements shown in dBm, dB, or microwatts

Display resolution of 0.01 dB

Stores optical references for each wavelength to be used for optical loss testing

Long battery life - up to 250 hrs on one 9v battery

Charger port allows for wall power operation or for charging 9-volt re-chargeable batteries



## Applications

The Silicon ZOOM 2 is a high accuracy, high resolution, microprocessor controlled optical power meter. It has a wide 65 dB dynamic range, and is NIST traceable at 850nm, making it ideal for testing the majority of multimode fiber testing in premises networks.

It has an attractive handheld case with an easy-to-read graphical liquid crystal display and 2-key keypad for easy operation. It is offered with a 2.5mm universal fiber connector for easy connection to ST, SC, and FC connectors, will operate for over 250 hours on a standard high-capacity 9v battery, and has built-in auto shutdown. The built-in charger port allows for wall power operation, as well as for charging 9-volt re-chargeable batteries.

The Silicon ZOOM 2 can store reference values for each wavelength to be used for optical loss measurements, and can display measurements in dBm, dB, and microwatts. The on-screen battery capacity indicator doubles as the battery charger display.

## Key Specifications

### Power Meter

<b>Measurement range</b>	+5 to -60dBm
<b>Absolute accuracy<sup>1</sup></b>	+/- 0.25dB
<b>NIST-Traceable Wavelengths</b>	850nm
<b>Additional Factory Calibrated Wavelengths</b>	650nm, 980nm
<b>Resolution</b>	0.01dB
<b>Linearity<sup>1</sup></b>	+/- 0.20dB
<b>Dimensions</b>	4.94 x 2.75 x 1.28 in

1: Over range of 0 to -45 dBm

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

NOTE: applications such as Telco and CATV only require the use of an optical power meter to measure optical power of their transmitters.

However, a majority of applications, such as optical loss measurements, will require the user to have a stabilized light source.

OWL has several test kit options using the Silicon ZOOM 2 for multimode testing.

Call OWL at 262-473-0643 for assistance with choosing the right fiber optic test equipment for your needs.



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.



**o.w.l.** MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT  
**OPTICAL WAVELENGTH LABORATORIES™**



Optical Wavelength Laboratories (OWL)  
N9623 West US Hwy 12  
Whitewater, WI 53190  
Phone (262)473-0643 Fax: (262)473-8737  
<http://owl-inc.com>