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 (Rechargeable Lithium Polymer battery)

Optional visual fault locator (VFL) port

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, and will operate for over 250 hours on its internal high-capacity re-chargeable Lithium Polymer battery, and has built-in auto shutdown.

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.

Optionally, the Silicon ZOOM 2 can be configured with a precision-coupled visual fault locator that is optimized for fiber optics. Its high-intensity red laser allows for fiber identification up to 1.5 kilometers away.

This optional VFL port can also be used to check for faults within a few feet of its launch point. When the bright red light encounters a fault, the light is deflected into the jacket, producing a red glow at the point of the fault.

Key Specifications

Power Meter

Measurement range	+5 to -60dBm
Absolute accuracy[1]	+/- 0.25dB
NIST-Traceable Wavelengths	850nm
Additional Factory Calibrated Wavelengths	650nm, 980nm
Resolution	0.01dB
Linearity[1]	+/- 0.20dB
Dimensions	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™