ZOOM 2 (Zeroed Output Optical Meter)

SKU: ZO2

Optical Power Meter

Features

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

Multimode and singlemode 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

Upgradeable to fiber link certification and reporting



Applications

The ZOOM 2 is a high accuracy, high resolution, microprocessor controlled optical power meter. It has a wide 65 dB dynamic range, and is calibrated to measure 850, 1300, 1310, and 1550nm, making it ideal for both singlemode and multimode fiber testing, as well as 1490nm for measurement of FTTx PON 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 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.

An additional benefit of the ZOOM 2 is that it can be easily upgraded to include the capability for fiber link certification and reporting and auto-testing.

Key Specifications

Measurement range	+5 to -60 dBm
Absolute accuracy[1]	+/- 0.15 dB
Calibrated wavelengths	850, 1300, 1310, 1490, 1550 nm
Resolution	0.01 dB
Linearity[1]	+/- 0.20 dB
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 ZOOM 2, for multimode, singlemode, or both.

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

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