

# Fiber OWL 2 Product Family Overview

## Optical Power Meter

### Features

2mm Germanium photodetector with universal 2.5mm (ST, SC, or FC) or 1.25mm universal (LC) adapters

Extended range and high power versions available

Large backlit 3x1.75" graphic LCD display

Long battery life - over 200hrs on one 9v battery

Data storage for up to 900 data points including run labels, fiber type, and site information including site name, date, reference power values, fiber length, and number of splices and interconnects

Built in loss wizard for calculation of maximum allowable loss values

RS-232 interface for continuous data logging, report printing, or data downloading

OWL Reporter software for printing formatted fiber certification reports

Absolute or relative mode for giving you instant pass/fail results

Selectively view, delete or resample data points

### Supported Cabling Standards:

|                  |               |
|------------------|---------------|
| EIA/TIA 568      | ISO/IEC 11801 |
| 1000Base-SX / LX | 100Base-FX    |
| 10Base-FB / FL   | FDDI          |
| ATM-155 / 622    | Fibre Channel |
| Token Ring       |               |

Also supports 2 user-defined standards



**N.I.S.T. Traceable**



### Key Specifications

|  |  |
|--|--|
| <b>Measurement range</b>                     | +5 to -70 dBm (FO-2+)<br>+25 to -50 dBm (FO-2C+) |
| <b>Absolute accuracy</b> <sup>1</sup>        | +/- 0.15dB                                       |
| <b>Wavelength range</b>                      | 750nm to 1700nm                                  |
| <b>NIST traceable calibrated wavelengths</b> | 850nm, 1300/1310nm, 1550nm                       |
| <b>Additional Wavelengths</b>                | 980nm, 1480nm                                    |
| <b>Resolution</b>                            | 0.01dB   |
| <b>Precision</b> <sup>1</sup>                | +/- 0.10dB                                       |
| <b>Dimensions</b>                            | 6.48 x 3.48 x 1.1 in                             |

### Applications

The Fiber OWL 2 is a high accuracy, high resolution, microprocessor controlled, optical power meter. The meter has a 75dB dynamic range making it ideal for both single and multi-mode fiber testing.

It has an attractive handheld case made from high impact Valox\* plastic, a large, backlit, graphic, liquid crystal display, and 18-key keypad for easy data entry. The universal fiber adapter accepts both ST, SC, and FC connectors. It will operate for over 200 hrs on a standard 9v battery and has built in auto shutdown.

The Fiber OWL 2 includes a built in loss wizard that helps you easily calculate the allowable loss for the fiber runs that you will be measuring. The meter stores physical fiber information for up to eight sites. Site information includes: site name, date, fiber type, fiber length, connectors, splices, temperature, and calculated or user -defined reference power values. In addition the meter will store up to 900 measured data points with labels. Each value includes the fiber type and site.

The stored information can be selectively viewed, edited (measured again), printed, or deleted. The meter will print formatted reports of selected stored data directly using the built in serial port, or all of the stored data can be downloaded to a computer spreadsheet or our free OWL Reporter software to produce formatted certification reports.

\* Valox is a registered trademark of GE Plastics.

<sup>1</sup> Over range of 0 to -45 dBm

Product manuals come in PDF format on CD. Adobe Acrobat Reader™ is required to view these documents.



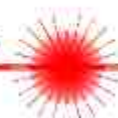
Carrying cases and patch cables are available for an additional charge. Call 262-473-0643 for more information.

Protective rubber boots for the Fiber OWL are not yet available.



**O.W.L. optical Wavelength Laboratories**

Manufacturer of Quality Optical Fiber Test Equipment



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