

Fiber OWL

Optical Power Meter

Features

- 2mm Germanium photodetector with universal 2.5mm (ST, SC, or FC) or 1.25mm universal (LC) adapters
- Multimode and single-mode ready
- Extended range, InGaAs, 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

Key Specifications

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

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



MADE 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.

Applications

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

¹ Over range of 0 to -45 dBm

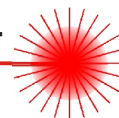
Supported Cabling Standards:

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



O.W.L. MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT
OPTICAL WAVELENGTH LABORATORIES™



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