Micro OWL 2

SKU: MO-2

Optical Power Meter

Features

InGaAs photodetector with 2.5mm universal adapter port (for ST, SC, FC, and others) and 1.25mm universal adapter port (for LC, MU, and other SFF)

Multimode and singlemode ready

Backlit graphic LCD display

Long battery life - over 100 hrs on one 9v battery

Data storage for 1000 points including run labels, fiber type, and site information including site name, date, reference power values, fiber length, and number of splices and interconnects

Auto-wavelength switching when used with OWL WaveSource light sources

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

Charger port (for re-chargeable batteries only)

Optional Visual Fault Locator (VFL) port – replaces the charger port



Applications

The Micro 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-mode and multimode fiber testing.

It has an attractive handheld case with a backlit, graphic, liquid crystal display, and 18-key keypad for easy data entry. It is offered with a 2.5mm universal fiber connector, with a 1.25mm universal cap for LC, MU, and other 1.25mm SFF connectors. It will operate for over 100 hours on a standard 9v battery and has built in auto shutdown.

The Micro OWL 2 includes OWL's user-friendly Link 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 four link configurations which includes link name, date, fiber type, fiber length, connectors, splices, temperature, and calculated or entered reference power values for three wavelengths. In addition the meter will store up to 1000 measured data points with labels.

The auto-wavelength switching feature of the Micro OWL 2 allows for convenient dual-wavelength data storage, which helps eliminate human error and cuts down testing time nearly in half. This convenient feature is available when used with OWL WaveSource series fiber optic light sources.

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.

A charger port is also included for re-chargeable 9-volt batteries. Optionally, a Visual Fault Locator can be installed in the place of the battery charging port for visual fiber identification or troubleshooting faults in the near-end of a fiber link.

Note 1: Over range of 0 to -45 dBm

Key Specifications

Measurement range	+5 to -70dBm
Absolute accuracy[1]	+/- 0.15dB
Calibrated wavelengths	850nm, 980nm, 1300nm, 1310nm, 1490nm, 1550nm
Resolution	0.01dB
Precision[1]	+/- 0.05dB
Dimensions	4.94 x 2.75 x 1.28 in

Supported Cabling Standards:

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

Also supports 2 user-customizable standards

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.

O.W.L. MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT

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