

Micro OWL/Laser OWL Test Kit

SKU: KIT-MO-L2xx (see connector options below)

Singlemode Fiber Test Kit

Overview

Many fiber optic network bids and Requests For Quote (RFQ) are citing cabling standards to specify the set of guidelines (such as fiber length) that the network installer must follow during the network installation. Adherence to such standards is meant to ensure the quality of the installation and guarantee that the network will perform as it was designed.

The process of testing a network installation to ensure its adherence to specified standards is called certification, and often requires hard-copy documentation as proof of adherence to standards.

The **Micro OWL / Laser OWL Test Kit** contains the tools necessary for certifying fiber optic links against the TIA-568-B.3 cabling standard in single-mode networks.

The **Micro OWL optical power meter** is multimode and singlemode ready, and contains a user-friendly Fiber Link Wizard that performs link budget calculation, and sets a reference value using the characteristics of the link. This reference is the PASS/FAIL threshold and is calculated against the chosen standard. Up to 1000 fiber runs may be stored, and serially downloaded to a PC for report generation using our OWL Reporter software. Its universal port allows connections to ST, SC, and FC, and also includes a 1.25mm universal port for connection to LC, MU, and other SFF connectors.

The **Laser OWL** is our NIST traceable single-mode light source. Its dual wavelength outputs (1310nm / 1550nm) are temperature-stabilized for accurate measurements. Three connector options are available (ST, SC, and FC).



Features

TIA-568-B.3 certification of single-mode fiber links at 1310nm and 1550nm

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

Built-in loss wizard for calculation of maximum allowable loss values (link budget)

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

Kit Contents

| | |
|----------------------|--|
| Power Meter: | Micro OWL |
| Light Source: | Laser OWL |
| Accessories: | OWL Reporter software Product manuals Download cable 9-volt batteries NIST certificate Carrying case Protective rubber boots |



MADE IN USA

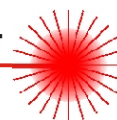
N.I.S.T. Traceable

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

Patch cables are available for an additional charge. Contact OWL for more information.



o.w.l. MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT
OPTICAL WAVELENGTH LABORATORIES™



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Specifications

Micro OWL Optical Power Meter

| | |
|--------------------------|-------------------------------|
| Detector Type | Ge |
| Calibrated Wavelengths | 850nm, 1300nm, 1310nm, 1550nm |
| Measurement Range | +5 to -70 dBm |
| Accuracy | ±0.15 dB |
| Resolution | 0.01 dB |
| Battery Life | up to 100 hours (9V) |
| Connector Type | 2.5mm Universal |
| Data Storage Points | up to 1000 |
| Download Data Points | OWL Reporter Software |
| Power Units Displayed | dBm, dB, μ W |
| Battery Capacity Display | Yes |
| Backlight | Yes |
| NIST Traceable | Yes |
| Auto-shutdown | Yes |
| Operating Temperature | -10 to 55 C |
| Storage Temperature | -30 to 70 C |
| Width | 3.48" |
| Height | 6.48" |
| Depth | 1.1" |
| Weight | 373g (12 oz.) |

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

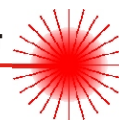
Laser OWL Singlemode Laser Source

| | |
|-------------------------------|---------------|
| Launch Method | FP Laser |
| Connector | ST, SC, or FC |
| Center Wavelength (1310nm) | 1310 ±30nm |
| Center Wavelength (1550nm) | 1550 ±30nm |
| Spectral Width (FWHM; 1310nm) | 2 nm |
| Spectral Width (FWHM; 1550nm) | 2nm |
| Output Power (9 μ m core) | -10.0 dBm |
| Initial Accuracy | 0.1 dB |
| Fiber Type | singlemode |
| Battery Life | 25 hrs. |
| Battery Capacity Display | Yes |
| Operating Temperature | 0 to 55° C |
| Storage Temperature | 0 to 75° C |
| Width | 2.75" |
| Height | 4.94" |
| Depth | 1.28" |
| Weight | 154g |

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