

Micro OWL 2/Dual OWL 850 Test Kit

SKU: KIT-M2-D285st
SKU: KIT-M2-D285sc

Multimode 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 2 / Dual OWL 850 Test Kit** contains the tools necessary for certifying multimode fiber optic links against a myriad of cabling standards at 850nm.

The **Micro OWL 2 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 **Dual OWL 850** is our NIST traceable multimode light source. Its 850nm output is temperature-stabilized for accurate measurements. Two connector options are available (ST and SC).



Features

Fiber optic link certification of multimode fiber links at 850nm against a myriad of cabling standards, including two user-customizable standards

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

Supported Cabling Standards

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

Kit Contents

| | |
|----------------------|--|
| Power Meter: | Micro OWL 2 |
| Light Source: | Dual OWL 850 |
| 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 2 Optical Power Meter

| | |
|---------------------------------|------------------------------------|
| Detector Type | InGaAs |
| Calibrated Wavelengths | 850, 980, 1300, 1310, 1490, 1550nm |
| Measurement Range | +5 to -70 dBm |
| Accuracy | ±0.15 dB |
| Resolution | 0.01 dB |
| Battery Life | up to 100 hours (9V) |
| Connector Type | 2.5/1.25mm Universal |
| Data Storage Points | up to 1000 |
| Download Data Points | OWL Reporter Software |
| Power Units Displayed | dBm, dB, µW |
| 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.

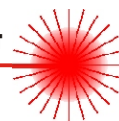
Dual OWL 850 Multimode Light Source

| | |
|-----------------------------------|------------|
| Launch Method | LED |
| Connector | ST or SC |
| Center Wavelength | 850 ±20nm |
| Spectral Width (FWHM) | 35 nm |
| Output Power (62.5µm core) | -20.0 dBm |
| Initial Accuracy | 0.1 dB |
| Fiber Type | multimode |
| Battery Life | 40 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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