

Micro OWL 2/Dual OWL/Laser OWL Test Kit

SKU: KIT-M2-D2xx-L2xx (see connector options below)

Singlemode/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 / Laser OWL Test Kit** contains the tools necessary for certifying multimode and singlemode fiber optic links against a myriad of cabling standards, including two user-customizable standards.

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** is our NIST traceable multimode light source. Its dual wavelength outputs (850nm / 1300nm) are temperature-stabilized for accurate measurements. Two connector options are available (ST and SC).

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).

Kit Contents

Power Meter:	Micro OWL 2
Light Source:	Laser OWL Dual OWL
Accessories:	OWL Reporter software Product manuals Download cable 9-volt batteries NIST certificate Carrying case Protective rubber boots



Features

Fiber optic link certification of multimode fiber links at 850nm and 1300nm, and singlemode fiber links at 1310nm and 1550nm 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



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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Singlemode/Multimode Fiber Test Kit

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, 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 \pm 30nm
Center Wavelength (1550nm)	1550 \pm 30nm
Spectral Width (FWHM; 1310nm)	2 nm
Spectral Width (FWHM; 1550nm)	2nm
Output Power (9μm 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

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

Dual OWL Multimode Light Source

Launch Method	LED
Connector	ST or SC
Center Wavelength (850nm)	850 \pm 20nm
Center Wavelength (1300nm)	1290nm min 1350nm max
Spectral Width (FWHM; 850 nm)	35 nm
Spectral Width(FWHM; 1300nm)	170nm
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

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

