Micro OWL/Dual OWL 850 Test Kit

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+ / Dual OWL 850 Test Kit*** contains the tools necessary for certifying fiber optic links against the 568-B.3 cabling standard in multimode networks.

The ***Micro OWL+ optical power meter*** is multimode and single-mode 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.

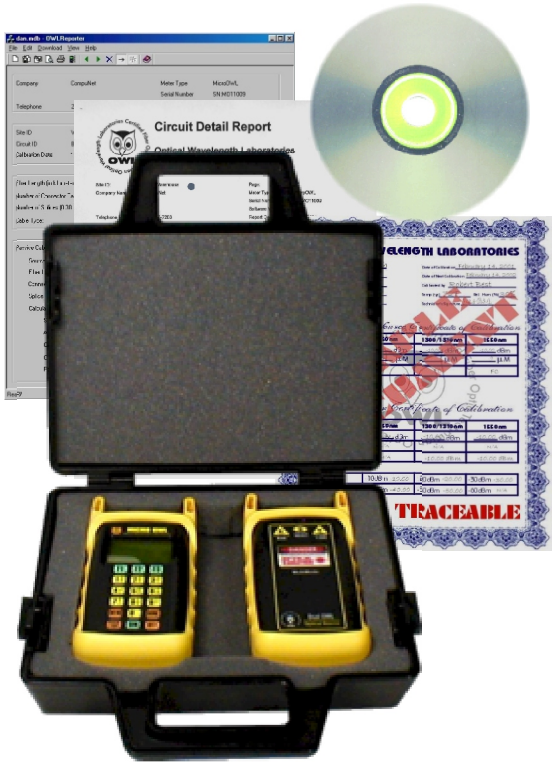
The Micro OWL+ is available with two connector types:

-- 2.5mm / 1.25 Universal (2mm Ge detector). Adapter end is removable, and can be replaced by a 1.25 mm universal adapter for use with LC connectors.

--- 2.5mm Universal (1mm Ge detector). Adapter end is fixed.

Universal ports connect to ST, SC, and FC without changing caps.

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

568-B.3 certification of multimode fiber links at 850nm

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: 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.

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

OPTICAL WAVELENGTH LABORATORIES™

Optical Wavelength Laboratories (OWL)
N9623 West US Hwy 12
Whitewater, WI 53190
Phone (262)473-0643 Fax: (262)473-8737
http://owl-inc.com

Micro OWL/Dual OWL 850 Test Kit

Specifications

Micro OWL+ Optical Power Meter

Detector Type	Ge (1mm, 2.5mm Univ. fixed) Ge (2mm, 2.5mm/1.25mm Univ.)
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 removable (Universal+) 2.5mm fixed (FX+)
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

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

Optical Wavelength Laboratories (OWL)
N9623 West US Hwy 12
Whitewater, WI 53190
Phone (262)473-0643 Fax: (262)473-8737
http://owl-inc.com