

WaveTester / Laser OWL Test Kit

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

Singlemode Fiber Certification 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 **WaveTester / Laser OWL Test Kit** contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in singlemode networks at 1310 and 1550nm.

The **WaveTester optical power meter** is multimode and singlemode ready, and can store reference values for all wavelengths used for optical loss measurements. Up to 200 fiber runs may be stored, and serially downloaded to a PC for report generation using our OWL Reporter software.

The **Laser OWL** is a singlemode light source. Its output is temperature-stabilized for accurate measurements. Two connector options are available (ST and SC).



Features

- Certification of singlemode fiber links at 1310 and 1550nm
- Data storage for up to 200 data points
- RS-232 interface for continuous data logging, report printing, or data downloading
- OWL Reporter software for printing formatted fiber certification reports
- Measurement modes include absolute (for optical power) or relative (for optical loss)
- Selectively view, delete or resample data points

Supported Cabling Standards:

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

Additional Power Meter Calibrated Wavelengths:

850nm 1300nm 1490nm

Kit Contents

- Power Meter:** WaveTester
- 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

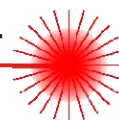
N.I.S.T. Traceable

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™



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

WaveTester / Laser OWL Test Kit

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

Singlemode Fiber Certification Test Kit

Specifications

WaveTester Optical Power Meter

Detector Type	Ge
NIST Traceable Wavelengths	850nm, 1300nm, 1310nm, 1490nm, 1550nm
Measurement Range	+5 to -60 dBm
Accuracy	±0.15 dB
Resolution	0.01 dB
Connector Type	2.5mm Universal
Data Storage Points	up to 200
Download Data Points	OWL Reporter Software
Power Units Displayed	dBm, dB, μ W
Battery Life	250 hrs. (9v alkaline)
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	2.75"
Height	4.94"
Depth	1.28"
Weight	154g

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

Laser OWL Single-mode Laser Source

Launch Method	FP Laser
Connector	ST or SC
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 (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

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



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>