

# 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
- USB 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

<b>Power Meter:</b>	WaveTester
<b>Light Source:</b>	Laser OWL
<b>Accessories:</b>	OWL Reporter software
	Product manuals
	Download cable
	9-volt batteries
	NIST certificate
	Carrying case
	Protective rubber boots

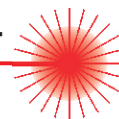


ASSEMBLED IN USA

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.



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## Specifications

### WaveTester Optical Power Meter

<b>Detector Type</b>	InGaAs
<b>NIST Traceable Wavelengths</b>	850nm, 1300nm, 1310nm, 1490nm, 1550nm
<b>Measurement Range</b>	+5 to -60 dBm
<b>Accuracy</b>	±0.15 dB
<b>Resolution</b>	0.01 dB
<b>Connector Type</b>	2.5mm Universal
<b>Data Storage Points</b>	up to 200
<b>Download Data Points</b>	OWL Reporter Software
<b>Power Units Displayed</b>	dBm, dB, $\mu$ W
<b>Battery Life</b>	250 hrs. (9v alkaline)
<b>Battery Capacity Display</b>	Yes
<b>Backlight</b>	Yes
<b>NIST Traceable</b>	Yes
<b>Auto-shutdown</b>	Yes
<b>Operating Temperature</b>	-10 to 55 C
<b>Storage Temperature</b>	-30 to 70 C
<b>Width</b>	2.75"
<b>Height</b>	4.94"
<b>Depth</b>	1.28"
<b>Weight</b>	154g

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

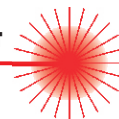
### Laser OWL Single-mode Laser Source

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

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



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