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**CablesPlus**

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Cables Plus, LLC

8504 Glazebrook Ave Richmond, VA 23228 ~ Toll Free (866) 678-5852

www.CablesPlusUSA.com

## WaveTester / Laser OWL Test Kit

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

### 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 100 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).



### 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

### Features

Certification of singlemode fiber links at 1310 and 1550nm  
Data storage for up to 100 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
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

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>	Ge
<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 fixed Universal
<b>Data Storage Points</b>	up to 100
<b>Download Data Points</b>	OWL Reporter Software
<b>Power Units Displayed</b>	dBm, dB, μW
<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 ±30nm
<b>Center Wavelength (1550nm)</b>	1550 ±30nm
<b>Spectral Width (FWHM; 1310nm)</b>	2 nm
<b>Spectral Width (FWHM; 1550nm)</b>	2nm
<b>Output Power (9μm 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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