

# WaveTester / Dual OWL 850 Test Kit

SKU: KIT-WT-D285st  
SKU: KIT-WT-D285sc

## 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 / Dual OWL 850 Test Kit** contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in multimode networks at 850nm.

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 **Dual OWL 850** is a multimode 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:** Dual OWL 850  
**Accessories:** OWL Reporter software  
Product manuals  
Download cable  
9-volt batteries  
NIST certificate  
Carrying case  
Protective rubber boots



## Multimode Fiber Certification Test Kit

## Features

- Certification of multimode fiber links at 850nm
- 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:

1300nm 1310nm 1550nm



MADE IN USA

**N.I.S.T. Tracable**

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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## 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.

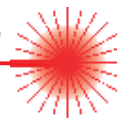
### Dual OWL 850 Multimode Light Source

<b>Launch Method</b>	LED
<b>Connector</b>	ST or SC
<b>Center Wavelength</b>	850 $\pm$ 20nm
<b>Spectral Width (FWHM)</b>	35 nm
<b>Output Power</b>	-20.0 dBm
<b>Initial Accuracy</b>	0.1 dB
<b>Fiber Type</b>	Multimode
<b>Battery Life</b>	40 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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