

WaveTester / Dual OWL / Laser OWL Test Kit

SKU: KIT-WT-D2xx-L2xx (see connector options below)

Multimode/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 / Dual OWL / Laser OWL Test Kit** contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in multimode networks at 850 nm and 1300 nm, and singlemode networks at 1310 nm and 1550 nm.

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

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 multimode fiber links at 850 nm and 1300 nm, and singlemode fiber links at 1310 nm and 1550 nm

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		

Kit Contents

Power Meter:	WaveTester
Light Source:	Dual OWL 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™



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Specifications

WaveTester Optical Power Meter

Detector Type	InGaAs
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.

Dual OWL Multimode Light Source

Launch Method	LED
Connector	ST or SC
Center Wavelength (850 nm)	850 ±20 nm
Center Wavelength (1300 nm)	1290 nm min 1350 nm max
Spectral Width (FWHM; 850 nm)	35 nm
Spectral Width(FWHM; 1300 nm)	170 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.

Laser OWL Singlemode Laser Source

Launch Method	FP Laser
Connector	ST or SC
Center Wavelength (1310 nm)	1310 ±30 nm
Center Wavelength (1550 nm)	1550 ±30 nm
Spectral Width (FWHM; 1310 nm)	2 nm
Spectral Width (FWHM; 1550 nm)	2 nm
Output Power (9μm 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.

