WaveTester / WaveSource 1310/1550 Test Kit

SKU: KIT-WT-WSSDxx (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 / WaveSource 1310/1550 Test Kit** contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in singlemode networks.

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 **WaveSource 1310/1550** singlemode light source has dual wavelength outputs (1310 nm & 1550 nm) that are temperature-stabilized for accurate measurements. Two connector options are available (ST or SC).

NEW! 10G 10-Gigabit Ethernet Ready

Features

Certification of singlemode fiber links at 1310 nm and 1550 nm

Auto-test functions store references and data points automatically

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

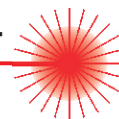|	
Power Meter:	WaveTester
Light Source:	WaveSource 1310/1550
Accessories:	OWL Reporter software
	Product manuals
	Download cable
	9-volt batteries
	NIST certificate
	Carrying case
	Protective rubber boots
	Carrying Straps

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.

O.W.L. MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT

OPTICAL WAVELENGTH LABORATORIES™

LANshack.com

Sold at LANshack.com
sales@lanshack.com
888-568-1230

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Specifications

WaveTester Optical Power Meter

Detector Type	InGaAs
NIST Traceable	Yes
Calibrated Wavelengths	850 nm, 1300nm, 1310nm, 1490nm, 1550 nm
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, µW
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

WaveSource 1310/1550 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 / 1550 nm)	2 nm
Output Power	-10.0 dBm
Initial Accuracy	0.1 dB
Fiber Type	singlemode
Battery Capacity Display	Yes
Battery Capacity *	100 hours
Operating Temperature	-20 to +70° C
Storage Temperature	-40 to +85° 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.

* - rated using Rayovac Ultralife 9v battery