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).

Kit Contents

Power Meter: WaveTester

Light Source: WaveSource 1310/1550

Accessories:
OWL Reporter software
Product manuals
USB download / charger cables
Re-chargeable Lithium Polymer batteries
NIST certificate
Carrying case
Protective rubber boots

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-Gig Enet
1000Base-SX	1000Base-LX	100Base-FX
10Base-FB	10Base-FL	FDDI
ATM-155	ATM-622	Fibre Channel
Token Ring		

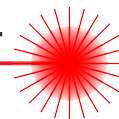### Additional Power Meter Calibrated Wavelengths:

850nm   1300nm   1490nm

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.

NEW! 10G 10-Gigabit Ethernet Ready

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WAVETESTER OPTICAL POWER METER (WT-1)

KEY SPECIFICATIONS	
Detector Type	InGaAs
Calibrated Wavelengths[1]	**850**, **1300**, **1310**, 1490, **1550**
Measurement Range	+5 to -60 dBm
Accuracy	±0.20 dB
Display Resolution	0.01 dB
Battery Life	Up to 1000 hours (Re-chargeable Lithium Polymer)
Connector Type	2.5mm/1.25mm universal
Measurement Units	dBm, dB, mW, µW
Data Storage	up to 200 readings
Display Type	Backlit LCD
Auto-shutdown	Yes
Operating Temperature	-10 to 55° C
Storage Temperature	-30 to 70° C
Dimensions	2.75 x 4.94 x 1.28 inches (69.85 x 125.48 x 32.51 mm)
Weight	10 oz. (284g)

1: Bold wavelengths are NIST Traceable
Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

WAVESOURCE SINGLEMODE LASER SOURCE (WS-SDxx)

KEY SPECIFICATIONS	
Fiber Type	Singlemode
Launch Method	FP Laser
Center Wavelength	1310nm ± 20nm; 1550nm ± 30nm
Spectral Width	1310nm: 2nm; 1550nm: 2nm
Output Power	-10 dBm
Initial Accuracy	0.1 dB
Battery Life	Up to 120 hours (Re-chargeable Lithium Polymer)
Operating Temperature	0 to 55° C
Storage Temperature	0 to 70° C
Dimensions	2.75 x 4.94 x 1.28 inches (69.85 x 125.48 x 32.51 mm)
Weight	10 oz. (284g)

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

Other connector styles may be available. Call 262-473-0643 for more information.

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

OPTICAL WAVELENGTH LABORATORIES™