WaveTester / WaveSource 1310/1550/VFL Test Kit

SKU: KIT-WT-WSVSDxx (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/VFL 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/VFL* singlemode light source has dual wavelength outputs (1310 nm & 1550 nm) that are temperature-stabilized for accurate measurements. A Visual Fault Locator is also included for near-end visual fault location and visual fiber identification. Two connector options are available (ST or SC).

Kit Contents

Power Meter:	WaveTester
Light Source:	WaveSource SM VFL
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)

Near-end visual fault location

Visual fiber identification

Selectively view, delete or resample data points

Supported Cabling Standards:

EIA/TIA 568	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		

NEW!
10G
10-Gigabit Ethernet Ready

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.
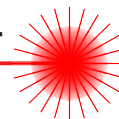
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WAVETESTER OPTICAL POWER METER (WT-1)

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 SM/VFL LASER SOURCE (WS-VSDxx)

KEY SPECIFICATIONS	
Fiber Type	Multimode
Launch Method	LED
Center Wavelength	850nm ± 30nm; 1300nm ± 50nm
Spectral Width	850nm: 50nm; 1300nm: 180nm
Output Power	-20 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)
VFL SPECIFICATIONS	
Output Wavelength	650nm
Output Power	1 mW
Operating Modes	CW / Flash

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™