WaveTester / WaveSource 1310/1550/VFL Test Kit

Singlemode Fiber Certification Test Kit

SKU: KIT-WT-WSVSDxx (see connector options below)

Overview

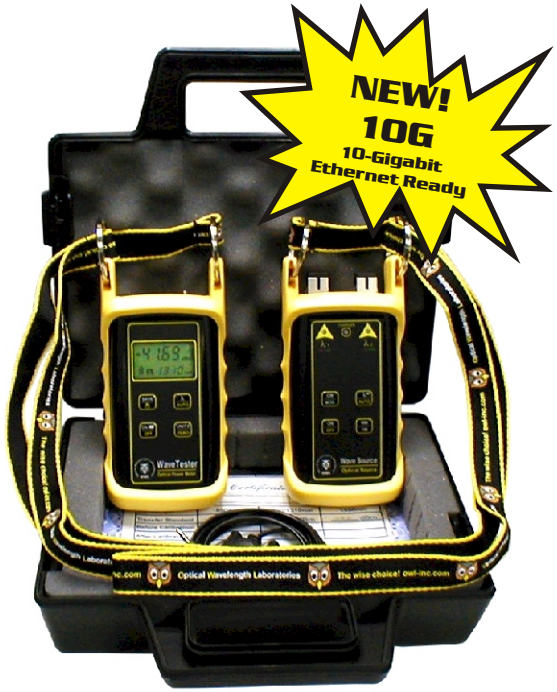
Many fiber optic network bids and Requests For Quote (RFQ) are citing cabling standards to specify the set of guidelines (such as fiber length) that the network installer must follow during the network installation. Adherence to such standards is meant to ensure the quality of the installation and guarantee 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).



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
- RS-232 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-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:

850 nm 1300 nm

Kit Contents

Power Meter: WaveTester

Light Source: WaveSource 1310/1550/VFL

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	Ge
NIST Traceable Wavelengths	850 nm, 1300 nm, 1310nm 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. (9-volt 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.

WaveSource 1310/1550/VFL 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
Operating Temperature	-20 to +70° C
Storage Temperature	-40 to +85° C
Width	2.75”
Height	4.94”
Depth	1.28”
Weight	154g
Visual Fault Locator Specifications	
Launch Method	Laser
Center Wavelength	650 nm
Output Power	-2.0 dBm
Fiber Type	single-mode

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

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