

WaveTester / WaveSource 850/1300/VFL Test Kit

KIT-WT-WSMDVxx (see connector options below)

Multimode 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 850/1300/VFL Test Kit** contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in multimode 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 850/1300/VFL** is a multimode light source. Its dual wavelength outputs (850 nm & 1300 nm) 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 multimode fiber links at 850 nm and 1300 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:

1310nm 1550nm

Kit Contents

- Power Meter:** WaveTester
- Light Source:** WaveSource 850/1300/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.



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Specifications

WaveTester Optical Power Meter

Detector Type	Ge
NIST Traceable Wavelengths	850 nm, 1300nm, 1310nm, 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.

WaveSource 850/1300/VFL Multimode Light Source

Launch Method	LED
Connector	ST or SC
Center Wavelength (850 nm)	850 +30/-10 nm
Center Wavelength (1300 nm)	1300 ±50 nm
Spectral Width (FWHM; 850 nm)	50 nm
Spectral Width (FWHM; 1300 nm)	180 nm
Output Power	-20.0 dBm
Initial Accuracy	0.1 dB
Fiber Type	multimode
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	multimode

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



o.w.l. MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT
OPTICAL WAVELENGTH LABORATORIES™



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