

# 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).

### Kit Contents

- Power Meter:** WaveTester
- Light Source:** WaveSource MM 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 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
- 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-Gig Ethernet
1000Base-SX	1000Base-LX	100Base-FX
10Base-FB	10Base-FL	FDDI
ATM-155	ATM-622	
Fibre Channel	Token Ring	



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 <sup>1</sup>	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 MM/VFL LIGHT SOURCE (WS-MDVxx)

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.

