# WaveTester / WaveSource 1310/1550 Test Kit

Singlemode Fiber Certification Test Kit

**SKU: KIT-WT-WSSDxx (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 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)

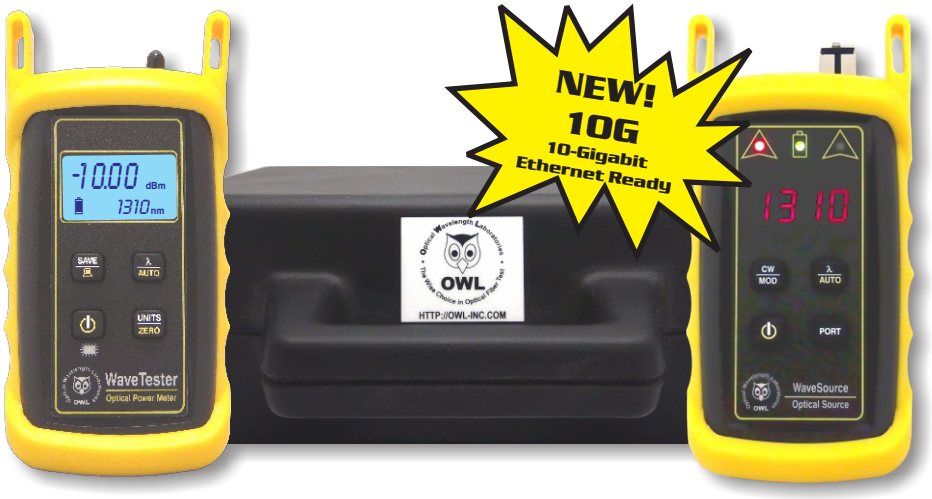
Selectively view, delete or resample data points

**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

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N.I.S.T. Traceable

# WaveTester / WaveSource 1310/1550 Test Kit

Singlemode Fiber Certification Test Kit

**SKU: KIT-WT-WSSDxx (see connector options below)**

## 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.