

# WaveTester InGaAs

SKU: WT-1I

Optical Power Meter

## Features

InGaAs photodetector with 2.5mm universal adapter port (for ST, SC, FC, and others) and 1.25mm universal adapter port (for LC, MU, and other SFF connectors)

Multimode and singlemode ready

Backlit graphic LCD display with intuitive user interface

Simple 4-key operation

Power measurements shown in dBm, dB, or microwatts

Stores optical references for each wavelength to be used for optical loss testing

Long battery life - over 250 hrs on one 9v battery

Data storage for 200 points

RS-232 interface for continuous data logging, report printing, or data downloading

OWL Reporter software for downloading data and printing formatted fiber certification reports

Optional integrated Visual Fault Locator (VFL)



## Applications

The WaveTester InGaAs is a high accuracy, high resolution, microprocessor controlled, optical power meter. It has a 65dB dynamic range, and is NIST traceable at 850, 1300, 1310, and 1550nm, and additionally factory calibrated at 1625nm, making it ideal for both singlemode and multimode fiber testing.

It has an attractive handheld case with a backlit, graphic, liquid crystal display, and 4-key keypad for easy operation. It is offered with a 2.5mm universal fiber connector, will operate for over 50 hours on a standard 9v battery, and has built-in auto shutdown.

The WaveTester will store reference values for each wavelength to be used for optical loss measurements, and can store up to 200 measured data points.

Stored data can be downloaded to our free OWL Reporter software to produce formatted certification reports.

Optionally, the battery charging port in the WaveTester can be replaced with a precision-coupled visual fault locator - optimized for fiber optics. Its high-intensity red laser allows for fiber identification up to 1.5 kilometers away.

It can also be used to check for faults within a few feet of its launch point. When the bright red light encounters a fault, the light is deflected into the jacket, producing a red glow at the point of the fault.

## Key Specifications

<b>Measurement range</b>	+5 to -60dBm
<b>Absolute accuracy<sup>1</sup></b>	+/- 0.15dB
<b>NIST traceable calibrated wavelengths</b>	850nm, 1300nm, 1310nm, 1550nm
<b>Additional factory calibrated wavelengths</b>	1625nm
<b>Resolution</b>	0.01dB
<b>Precision<sup>1</sup></b>	+/- 0.05dB
<b>Dimensions</b>	4.94 x 2.75 x 1.28 in

Note 1: Over range of 0 to -45 dBm

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

WaveTester series optical power meters can also be bundled with stabilized fiber optic light sources for complete end-to-end loss testing.



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.

Carrying cases and patch cables are available for an additional charge. Call 262-473-0643 for more information.



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



Optical Wavelength Laboratories (OWL)  
N9623 West US Hwy 12  
Whitewater, WI 53190  
Phone (262)473-0643 Fax: (262)473-8737  
<http://owl-inc.com>