WaveTester

SKU: WT-1

Optical Power Meter

Features

1mm photodetector with 2.5mm universal adapter (ST, SC, and FC)

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

USB 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)

Key Specifications

Measurement range	+5 to -60dBm
Absolute accuracy[1]	+/- 0.15dB
NIST traceable calibrated wavelengths	850, 1300, 1310, 1550 nm
Additional calibrated wavelengths	1490 nm
Resolution	0.01dB
Precision[1]	+/- 0.05dB
Dimensions	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.

Applications

The WaveTester 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, making it ideal for both singlemode and multimode fiber testing. Additionally, it comes calibrated at 1490nm, allowing the meter to measure optical loss at the wavelengths used in Fiber To The Home (FTTH) PON networks.

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 250 hours on a standard high-capacity 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 that is optimized for fiber optics. Its high-intensity red laser allows for fiber identification up to 1.5 kilometers away.

This optional VFL port 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.

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.

Carrying cases and patch cables are available for an additional charge.

O.W.L. MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT

OPTICAL WAVELENGTH LABORATORIES™