

Stand-alone Optical Power Meters

Multimode Singlemode



Description

The WaveTester is a highly accurate hand-held optical power meter, capable of performing a wide range of functions from simple optical power and loss measurements to standards-based link certification. When used with OWL WaveSource fiber optic light sources, the WaveTester provides fiber optic professionals with automatic wavelength switching so that the meter and light source are always set to the same wavelength, and automatic dual-wavelength storage cuts down on testing time and human error. Up to 100 fiber runs can be stored in memory, and can be downloaded to a PC using our free OWL Reporter software via the supplied serial cable. As data is downloaded, OWL Reporter runs a link wizard that asks for information about the link under test which is used to certify the data using one of several popular cabling standards. OWL Reporter displays fiber tests in either a summary or detail view, and prints out professional certification reports that can be passed along to customers as proof of link certification. Data can also be saved to hard disk for later retrieval. A 2.5mm universal and 1.25mm universal connector port are included to connect to a wide variety of popular fiber optic connectors, including SC, ST, FC, LC, and SFF. The WaveTester is enclosed in high-impact plastic, and a protective rubber boot provides additional shock protection. Its backlit display is easy to read, and the 4-button interface allows for easy operation. It can be used in many test environments, including LAN, MAN, WAN, Telco, CATV, Manufacturing, and Laboratory.

Applications include:

- Fiber Standard Certification
- Attenuation Measurements
- Optical Loss Measurements
- FTTH Link Loss Verification
- Patch Cord Testing
- Active Equipment Optical Power Measurements

Specifications

NIST-traceable Wavelengths (nm)	850, 1300, 1310, 1490, 1550
Measurement Range (dBm)	+5 to -60
Accuracy (dB)	±0.15
Resolution (dB)	0.01
Battery Life (hours)	up to 250 (9V)
Detector Port	Universal 2.5/1.25mm
Dimensions	4.94" x 2.75" x 1.28"
Weight	10 oz.

Ordering Info

WT-1	WaveTester optical power meter	450.00
U2.5-4	Replacement 2.5mm universal connector port	35.00
U1.25-4	Replacement 1.25mm universal connector port	35.00

As an option, the charger port in the WaveTester can be replaced by a precision-coupled visual fault locator (VFL), which is useful for visually checking continuity or identifying fibers, as well as detecting faults in the near-end of the fiber link, such as in a splice tray or OTDR dead zone. For more details about including a VFL in the WaveTester, call OWL at 262-473-0643.

