WaveTester / Dual OWL Test Kit

Multimode Fiber Certification Test Kit

SKU: KIT-WT-D2st
SKU: KIT-WT-D2sc

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 / Dual OWL Test Kit*** contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in multimode networks at 850 and 1300nm.

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.

Also as an option, a visual fault locator (VFL) port can be installed in place of the charger port for an additional charge.

The ***Dual OWL*** is a multimode light source. Its output is temperature-stabilized for accurate measurements. Two connector options are available (ST and SC).

Features

Certification of multimode fiber links at 850 and 1300nm

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

Optional integrated visual fault locator (VFL; replaces the charger port)

Supported Cabling Standards:

EIA/TIA 568-B	ISO/IEC 11801	10-Gigabit Ethernet
1000Base-SX	1000Base-LX	100Base-FX
10Base-FB	10Base-FL	FDDI
ATM-155	ATM-622	Fibre Channel
Token Ring		

Additional Power Meter Calibrated Wavelengths:

1310nm 1550nm

ASSEMBLED IN USA

N.I.S.T. Traceable

Kit Contents

Power Meter: WaveTester

Light Source: Dual OWL

Accessories:
OWL Reporter software
Product manuals
Download cable
9-volt batteries
NIST certificate
Carrying case
Protective rubber boots

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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Specifications

WaveTester Optical Power Meter

Detector Type	InGaAs
NIST Traceable Wavelengths	850nm, 1300nm, 1310nm, 1490nm, 1550nm
Measurement Range	+5 to -60 dBm
Accuracy	±0.15 dB
Resolution	0.01 dB
Connector Type	2.5mm Universal
Data Storage Points	up to 200
Download Data Points	OWL Reporter Software
Power Units Displayed	dBm, dB, µW
Battery Life	250 hrs. (9v alkaline)
Battery Capacity Display	Yes
Backlight	Yes
NIST Traceable	Yes
Auto-shutdown	Yes
Operating Temperature	-10 to 55 C
Storage Temperature	-30 to 70 C
Width	2.75”
Height	4.94”
Depth	1.28”
Weight	154g

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

Dual OWL Multimode Light Source

Launch Method	LED
Connector	ST or SC
Center Wavelength	850 ±30 nm 1300 +50/-10 nm
Spectral Width (850nm; FWHM)	60 nm
Spectral Width (1300nm; FWHM)	170 nm
Output Power	-20.0 dBm
Initial Accuracy	0.1 dB
Fiber Type	Multimode
Battery Life	40 hrs.
Battery Capacity Display	Yes
Operating Temperature	0 to 55° C
Storage Temperature	0 to 75° C
Width	2.75”
Height	4.94”
Depth	1.28”
Weight	154g

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