WaveTester / WaveSource Quad Test Kit

SKU: KIT-WT-WSMDSDxx (see connector options below)

Singlemode / Multimode Fiber Certification Test Kit

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 quarantee 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 hardcopy documentation as proof of adherence to standards.

The WaveTester / WaveSource Quad Test Kit contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in multimode and 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 Quad is a combined multimode / singlemode light source. Its guad-wavelength outputs (850 & 1300nm for multimode and 1310 & 1550 nm for singlemode) are temperature-stabilized for accurate measurements. Three connector options are available (ST. SC, or FC).



Features

Certification of multimode fiber links at 850/1300nm, and singlemode fiber links at 1310/1550nm

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

Measurement modes include absolute (for optical power) or relative (for optical loss)

Selectively view, delete or resample data points

Supported Cabling Standards:

FIA/TIA 568-B ISO/IEC 11801 10-Gigabit Ethernet

FDDI

1000Base-SX 1000Base-LX 100Base-FX

10Base-FL ATM-155 ATM-622 Fibre Channel

Token Ring

10Base-FB



Kit Contents

Power Meter: WaveTester

Light Source: WaveSource Quad Accessories: **OWL** Reporter software

> Product manuals Download cable 9-volt batteries NIST certificate Carrying case

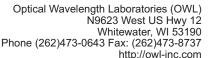
Protective rubber boots

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.



0.W.L MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT OPTICAL WAVELENGTH LABORATORIES™



SKU: KIT-WT-WSMDSDxx (see connector options below)

Specifications

Specifications		
WaveTester Optical Po	ower Meter	
Detector Type	InGaAs	
NIST Traceable Wavelengths	850nm, 1300nm, 1310 nm, 1550 nm	
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"	

Depth	1.28"
Weight	154g
Conforms to the Harmonized 61326-1 and EN 61010-1.	European Standards EN

4.94"

Height

Center Wavelength (1300nm) Center Wavelength (1310nm) Center Wavelength (1550nm) Spectral Width (FWHM; 850 nm) Spectral Width (FWHM; 1300nm) Spectral Width (FWHM; 1310nm) Spectral Width (FWHM; 1550nm) Output Power (multimode) Output Power (singlemode) Initial Accuracy	ST, SC, or FC 850 +30/-10nm 1300 ±50 nm 1310 ±30nm 1550 ±30nm 50nm 180nm 2nm 2nm -20.0 dBm -10.0 dBm
Spectral Width (FWHM; 1310nm) Spectral Width (FWHM; 1550nm) Output Power (multimode) Output Power (singlemode) Initial Accuracy	1300 ±50 nm 1310 ±30nm 1550 ±30nm 50nm 180nm 2nm 2nm -20.0 dBm -10.0 dBm
Spectral Width (FWHM; 1300nm) Spectral Width (FWHM; 1310nm) Spectral Width (FWHM; 1550nm) Output Power (multimode)	180nm 2nm 2nm -20.0 dBm -10.0 dBm 0.1 dB
Output Power (singlemodé) Initial Accuracy	-10.0 dBm 0.1 dB
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Ouput Modes	
	Continuous Wave Modulated
Battery Life	up to 30 hrs.
Battery Type	9V alkaline
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