Installer Series Quad MM/SM Test Kit

SKU: IS-KIT-Q

Singlemode/Multimode Fiber 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 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 ***Installer Series Quad MM/SM Test Kit*** contains the tools necessary for certifying fiber optic links against a myriad of cabling standards, including two user-customizable standards, in both multimode and singlemode networks.

The ***Fiber OWL 4 optical power meter*** is multimode and singlemode ready, and contains a user-friendly Fiber Link Wizard that performs link budget calculation, and sets a reference value using the characteristics of the link. This reference is the PASS/FAIL threshold and is calculated against the chosen standard. Up to 1000 fiber runs may be stored, and downloaded to a PC for report generation using our OWL Reporter software. Its universal port allows connections to ST, SC, and FC, and also includes a 1.25mm universal port for connection to LC, MU, and other SFF connectors.

The ***WaveSource Quad fiber optic light source*** contains all four popular industry-standard wavelengths in a single unit, designed for accurate testing and certification of multimode (850nm & 1300nm) and singlemode (1310nm & 1550nm) networks. Its quad-wavelength outputs are temperature-stabilized for accurate measurements, and are housed in SC connector ports.

Patch cables not included

Features

Fiber optic link certification of multimode fiber links at 850nm and 1300nm, and singlemode fiber links at 1310nm and 1550nm against a myriad of cabling standards, including two user-customizable standards

Data storage for up to 1000 data points including run labels, fiber type, and link information including link name, date, reference power values, fiber length, and number of splices and interconnects

Built-in loss wizard for calculation of maximum allowable loss values (link budget)

USB interface for continuous data logging, report printing, or data downloading

OWL Reporter software for printing formatted fiber certification reports

Absolute or relative mode for giving you instant pass/fail results

Selectively view, delete or resample data points

Supported Cabling Standards

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

Also supports 2 user-customizable generic standards and user-definable link budgets

Kit Contents

Power Meter: Fiber OWL 4

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.

FACTORY LOCATED IN HEARTLAND OF AMERICA

Encircled Flux Compliant

10-Gig Ready

NIST TRACEABLE

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

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Specifications

Fiber OWL 4 Optical Power Meter

Detector Type	InGaAs
NIST Traceable Wavelengths	850nm, 1300, 1310nm, 1550nm
Additional Wavelengths	980, 1490, 1625nm
Optical Power Measurement Range	+5 to -70 dBm
Accuracy	±0.15 dB
Resolution	0.01 dB
Battery Life	up to 100 hours (9V)
Connector Type	Universal (2.5mm & 1.25mm)
Data Storage Points	up to 1000
Download Data Points	OWL Reporter Software
Power Units Displayed	dBm, dB, µW
Modes of Operation	Simple / Certification
Battery Capacity Display	Yes
Backlight	Yes
NIST Traceable	Yes
Auto-shutdown	Yes
Operating Temperature	-10 to 55 C
Storage Temperature	-30 to 70 C
Dimensions	3.48” x 6.48” x 1.1”
Weight	373g (12 oz.)

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

WaveSource Quad Fiber Optic Light Source

Launch Method (multimode)	LED
Launch Method (singlemode)	FP Laser
Connector	SC
Center Wavelength (850nm)	850 +30/-10nm
Center Wavelength (1300nm)	1300 ±50 nm
Center Wavelength (1310nm)	1310 ±30nm
Center Wavelength (1550nm)	1550 ±30nm
Spectral Width (FWHM; 850 nm)	50nm
Spectral Width (FWHM; 1300nm)	180nm
Spectral Width (FWHM; 1310nm)	2nm
Spectral Width (FWHM; 1550nm)	2nm
Output Power (multimode)	-20.0 dBm
Output Power (singlemode)	-10.0 dBm
Initial Accuracy	0.1 dB
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

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