Fiber OWL 4 BOLT / Dual OWL 850 / Laser OWL 1310 Test Kit

SKU: KIT-FO4B-D285xx-L213xx (see connector options below)

Multimode/Singlemode
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 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 ***Fiber OWL 4 / Dual OWL 850 / Laser OWL 1310 Test Kit*** contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in singlemode and multimode networks.

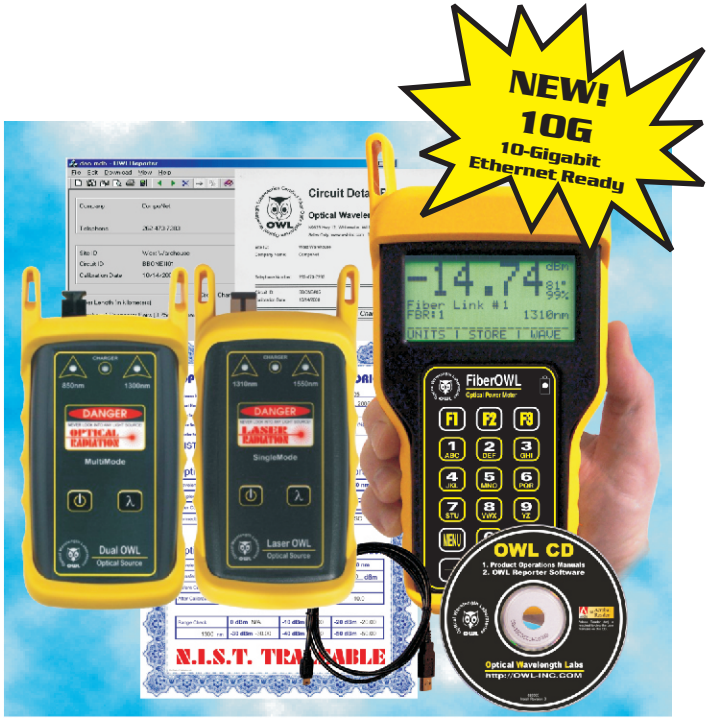
The ***Fiber OWL 4 BOLT optical power meter*** is multimode and singlemode ready, and contains a user-friendly Fiber Link Wizard that performs link budget calculation (including integrated fiber link length testing), and sets a reference value using the characteristics of the link. This reference is the PASS/FAIL threshold and is calculated against the chosen standard. Up to 1000 fiber runs may be stored, then downloaded to a PC for report generation using our OWL Reporter software.

The ***Dual OWL 850 fiber optic light source*** is designed for accurate testing and certification of multimode networks. Its 850nm output is temperature-stabilized for accurate measurements.

Two connector options are available (ST and SC).

The ***Laser OWL 1310 fiber optic light source*** is designed for accurate testing and certification of singlemode networks. Its 1310nm output is temperature-stabilized for accurate measurements.

Three connector options are available (ST, SC, and FC).



Features

Certification of singlemode fiber links at 1310nm and multimode fiber links at 850nm

Integrated fiber optic length tester for accurate link length measurements

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-B/C	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		

Also supports 2 user-definable standards

ASSEMBLED IN USA

N.I.S.T. Traceable

Kit Contents

Power Meter:	Fiber OWL 4 BOLT	**Light Source(s):**	Dual OWL 850	Laser OWL 1310
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.

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

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Specifications

Fiber OWL 4 BOLT Optical Power Meter

Detector Type	InGaAs
NIST Traceable Wavelengths	850, 1300,1310, 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
Data Storage Points	up to 1000
Download Data Points	OWL Reporter Software
Power Units Displayed	dBm, dB, µW
Modes of Operation	Simple / Certification
Optical Fiber Length Measurement Range	up to 25 km
Optical Fiber Length Measurement Accuracy	±2.5 meters
Battery Capacity Display	Yes
Backlight	Yes
NIST Traceable	Yes
Auto-shutdown	Yes
Serial Port Diagnostic	Yes
Operating Temperature	-10 to 55 C
Storage Temperature	-30 to 70 C
Width	3.48”
Height	6.48”
Depth	1.1”
Weight	373g (12 oz.)

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

Dual OWL 850 Fiber Optic Light Source

Launch Method (multimode)	LED
Connector	ST or SC
Center Wavelength (850nm)	850 ±30 nm
Spectral Width (FWHM; 850 nm)	60nm
Output Power	-20.0 dBm
Initial Accuracy	0.1 dB
Ouput Modes	Continuous Wave
Battery Life	up to 40 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

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

Laser OWL 1310 Fiber Optic Light Source

Launch Method (singlemode)	FP Laser
Connector	ST, SC, or FC
Center Wavelength (1310nm)	1310 ±30nm
Spectral Width (FWHM; 1310nm)	2nm
Output Power (singlemode)	-10.0 dBm
Initial Accuracy	0.1 dB
Ouput Modes	Continuous Wave
Battery Life	up to 25 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

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

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