

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	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



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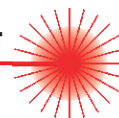
N.I.S.T. Traceable

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	Carrying straps	

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

Fiber OWL 4 BOLT Optical Power Meter		Dual OWL 850 Fiber Optic Light Source		Laser OWL 1310 Fiber Optic Light Source	
Detector Type	InGaAs	Launch Method (multimode)	LED	Launch Method (singlemode)	FP Laser
NIST Traceable Wavelengths	850, 1300, 1310, 1550nm	Connector	ST or SC	Connector	ST, SC, or FC
Additional Wavelengths	980, 1490, 1625nm	Center Wavelength (850nm)	850 ±20 nm	Center Wavelength (1310nm)	1310 ±30nm
Optical Power Measurement Range	+5 to -70 dBm	Spectral Width (FWHM; 850 nm)	35nm	Spectral Width (FWHM; 1310nm)	2nm
Accuracy	±0.15 dB	Output Power	-20.0 dBm	Output Power (singlemode)	-10.0 dBm
Resolution	0.01 dB	Initial Accuracy	0.1 dB	Initial Accuracy	0.1 dB
Battery Life	up to 100 hours (9V)	Output Modes	Continuous Wave	Output Modes	Continuous Wave
Connector Type	Universal	Battery Life	up to 40 hrs.	Battery Life	up to 25 hrs.
Data Storage Points	up to 1000	Battery Type	9V alkaline	Battery Type	9V alkaline
Download Data Points	OWL Reporter Software	Battery Capacity Display	Yes	Battery Capacity Display	Yes
Power Units Displayed	dBm, dB, μW	Operating Temperature	0 to 55° C	Operating Temperature	0 to 55° C
Modes of Operation	Simple / Certification	Storage Temperature	0 to 75° C	Storage Temperature	0 to 75° C
Optical Fiber Length Measurement Range	up to 25 km	Width	2.75"	Width	2.75"
Optical Fiber Length Measurement Accuracy	±2.5 meters	Height	4.94"	Height	4.94"
Battery Capacity Display	Yes	Depth	1.28"	Depth	1.28"
Backlight	Yes	Weight	154g	Weight	154g
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.		Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.		Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.	

