Fiber OWL 4C BOLT / Laser OWL Test Kit

SKU: KIT-FO4BC-L2xx (see connector options below)

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 4C BOLT / Laser OWL Test Kit contains the tools necessary for certifying fiber optic links against a myriad of popular cabling standards in singlemode networks

The *Fiber OWL 4C BOLT 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, then serially downloaded to a PC for report generation using our OWL Reporter software. The filtered detector in the Fiber OWL 4C BOLT makes it an excellent choice for high-power applications such as Telco and CATV.

The *Laser OWL fiber optic light source* is designed for accurate testing and certification of singlemode (1310nm & 1550nm) networks. Its dual-wavelength outputs are temperature-stabilized for accurate measurements.

Three connector options are available on the Laser OWL (ST, SC, and FC).



connector styles and cables may vary from photo

Singlemode Fiber Certification Test Kit

Features

Filtered detector for high-power applications such as telco and CATV

Certification of singlemode fiber links at 1310nm and 1550nm

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
 Token Ring

Also supports 2 user-definable standards

Additional Power Meter Calibrated Wavelengths:

850nm 980nm 1300nm 1490nm 1625nm



N.I.S.T. Traceable

Product manuals come in PDF format on CD. Adobe Acrobat Reader $^{\rm IM}$ is required to view these documents.

Patch cables are available for an additional charge. Contact OWL for more information.

Kit Contents

Power Meter: Fiber OWL 4 BOLT Light Source:

Accessories: OWL Reporter software

Carrying case

Product manuals

Download cable

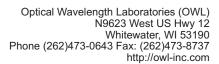
Laser OWL

9-volt batteries



NIST certificate

OPTICAL WAVELENGTH LABORATORIESTM



Fiber OWL 4C BOLT / Laser OWL Test Kit

SKU: KIT-FO4BC-L2xx (see connector options below)

Specifications

Fiber OWL 4C BOLT Optical Power Meter

Detector Type InGaAs

NIST Traceable 850nm, 1300, 1310nm,

Wavelengths 1550nm

Additional Wavelengths 980, 1490, 1625nm

Optical Power +25 to -50 dBm

Measurement Range

 Accuracy
 ±0.15 dB

 Resolution
 0.01 dB

Battery Life up to 100 hours (9V) **Connector Type** 2.5mm/1.25mm universal

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

Backlight

Yes

NIST Traceable

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.

Laser OWL Fiber Optic Light Source	
Launch Method (singlemode)	FP Laser
Connector	ST, SC, or FC
Center Wavelength (1310nm) Center Wavelength (1550nm)	1310 ±30nm 1550 ±30nm
Spectral Width (FWHM; 1310nm) Spectral Width (FWHM; 1550nm)	2nm 2nm
Output Power (singlemode)	-10.0 dBm
Initial Accuracy	0.1 dB
Output Modes	Continuous Wave
Battery Life	up to 25 hrs.
Battery Type	9V alkaline
Battery Capacity Display	Yes
Operating Temperature	0 to 55° C

0 to 75° C

2.75"

4.94"

1.28"

154q

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

Storage Temperature

Width

Height

Depth

Weight

