Fiber OWL 4C / Laser OWL Test Kit

SKU: KIT-FO4C-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 / 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 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 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).



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

Optional 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)

RS-232 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
 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

Reader[™] is required to view these documents.

Additional Power Meter Calibrated Wavelengths:

980nm 1490nm 1625nm



N.I.S.T. Traceable

Kit Contents

Power Meter: Fiber OWL 4 Light Source: Laser OWL

Accessories: OWL Reporter software
NIST certificate Carrying case

software Product manuals

Protective rubber boots

Download cable
Carrying straps

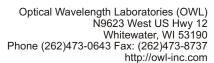
9-volt batteries

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

Product manuals come in PDF format on CD. Adobe Acrobat



OPTICAL WAVELENGTH LABORATORIESTM



Fiber OWL 4C / Laser OWL Test Kit

SKU: KIT-FO4C-L2xx (see connector options below)

Specifications

Fiber OWL 4C Optical Power Meter	
Detector Type	InGaAs
NIST Traceable Wavelengths	850nm, 1300, 1310nm, 1550nm
Additional Wavelengths	980, 1490, 1625nm
Optical Power Measurement Range	+25 to -50 dBm
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 Accuracy
 ±0.15 dB

 Resolution
 0.01 dB

Battery Life up to 100 hours (9V)

Connector Type 2.5mm universal

Data Storage Points up to 1000

Download Data Points OWL Reporter Software

Power Units Displayed dBm, dB, μ W

Modes of Operation Simple / Certification

Battery Capacity DisplayYesBacklightYesNIST TraceableYesAuto-shutdownYesSerial Port DiagnosticYes

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	
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.		

