

Micro OWL 2 VFL / Dual OWL Test Kit

SKU: KIT-M2V-D2st
SKU: KIT-M2V-D2sc

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 **Micro OWL 2 VFL / Dual OWL Test Kit** contains the tools necessary for certifying fiber optic links against the TIA-568-B.3 cabling standard in multimode networks.

The **Micro OWL 2 VFL 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 serially 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.

A visual fault locator port is also included for finding near-end faults visually (such as breaks or tight bends in a splice tray), as well as identifying fibers at the far end of the link.

The **Dual OWL** is a NIST traceable multimode light source. Its dual wavelength outputs (850nm / 1300nm) are temperature-stabilized for accurate measurements. Two connector options are available (ST and SC).

Kit Contents

- Power Meter:** Micro OWL 2 VFL
- Light Source:** Dual OWL
- Accessories:** OWL Reporter software
Product manuals
Download cable
9-volt batteries
NIST certificate
Carrying case
Protective rubber boots



Features

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

Includes Visual Fault Locator (VFL) port for near-end fault location and visual fiber identification

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 standards

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.

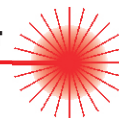


ASSEMBLED IN USA

N.I.S.T. Traceable



o.w.l. MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT
OPTICAL WAVELENGTH LABORATORIES™



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Specifications

Micro OWL 2 VFL Optical Power Meter

Detector Type	InGaAs
Calibrated Wavelengths	850, 980, 1300, 1310, 1490, 1550nm
Measurement Range	+5 to -70 dBm
Accuracy	±0.15 dB
Resolution	0.01 dB
Battery Life	up to 100 hours (9V)
Connector Type	2.5/1.25mm Universal
Data Storage Points	up to 1000
Download Data Points	OWL Reporter Software
Power Units Displayed	dBm, dB, µW
Battery Capacity Display	Yes
Backlight	Yes
NIST Traceable	Yes
Auto-shutdown	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.)

VISUAL FAULT LOCATOR PORT

Visual Range	up to 5 km (3.1 mi.)
Optical Output	~ 1mW
Output Modes	CW / pulsed

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

Dual OWL Multimode Light Source

Launch Method	LED
Connector	ST or SC
Center Wavelength (850nm)	850 ±20nm
Center Wavelength (1300nm)	1290nm min 1350nm max
Spectral Width (FWHM; 850 nm)	35 nm
Spectral Width(FWHM; 1300nm)	170nm
Output Power (62.5µm core)	-20.0 dBm
Initial Accuracy	0.1 dB
Fiber Type	multimode
Battery Life	40 hrs.
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.

