

# Fiber OWL 4 BIDI

SKU: (see below for SKU information; two identical units are required for bi-directional operation)

Optical Loss Test Set

## Features

InGaAs photodetector with 2.5mm universal adapter (for ST, SC, FC, and others) and 1.25mm universal adapter (for LC, MU, and other SFF)

Integrated light source for performing manual bi-directional tests (**two identical units are required for two-way testing**)

Several wavelength options available (see below)

Large backlit 3 x 1.75" graphic LCD display shows measurement units of dBm, dB, milliwatts, and microwatts

Long battery life - up to 100 hours on one 9-volt battery

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 fiber link certification

USB interface for continuous data logging, report printing, or data downloading

FREE OWL Reporter software for printing formatted fiber certification reports

Absolute or relative mode shows instant pass/fail results

Selectively view, delete or resample data points



## Key Specifications

### Power Meter Port

Measurement range  
Absolute accuracy <sup>1</sup>  
Calibrated wavelengths

### Resolution

Precision <sup>1</sup>

### Dimensions

<sup>1</sup> Over range of 0 to -45 dBm

+5 to -70 dBm  
± 0.15dB  
850nm, 1300nm, 1310nm, 1550nm  
980nm, 1490nm, 1625nm  
0.01dB  
± 0.10dB  
6.48 x 3.48 x 1.1 in



ASSEMBLED IN USA  
N.I.S.T. Traceable

### Light Source Port

#### Launch Method

#### Connector Options

#### Wavelength Options (choose one option only)

##### Multimode p/n (wavelength option):

FO-4-M85 (850nm only)  
FO-4-M13 (1300nm only)  
FO-4-MD (both 850 and 1300nm)

LED (multimode) or FP Laser (singlemode)  
ST, SC, or FC

##### Singlemode p/n (wavelength option):

FO-4-S13 (1310nm only)  
FO-4-S14 (1490nm only)  
FO-4-S15 (1550nm only)  
FO-4-SD (both 1310 and 1550nm)

## Applications

The Fiber OWL 4 BIDI is a high accuracy, high resolution, microprocessor controlled optical power meter. It has a 75dB dynamic range making it ideal for both singlemode and multimode fiber testing.

Its integrated light source (several wavelength options are available) makes performing bi-directional tests easy and convenient. **Two identical Fiber OWL 4 BIDI units are required for bi-directional testing.**

It has an attractive handheld case made from high impact plastic, a large, backlit, graphic, liquid crystal display, and 18-key keypad for easy data entry. The fixed universal fiber adapter accepts ST, SC, and FC connectors equally well without the need for extra adapter caps. It will operate for up to 100 hours on a standard 9-volt battery and has built-in auto shutdown.

The Fiber OWL 4 BIDI includes a built-in loss wizard that helps you easily calculate the allowable loss for the fiber runs that you will be measuring. The meter stores physical fiber information for up to eight links. Link information includes: link name, date, fiber type, fiber length, connectors, splices, temperature, and calculated or user-defined reference power values. In addition the meter will store up to 1000 measured data points with labels. Each value includes the fiber type and link.

The stored information can be selectively viewed, edited (measured again), printed, or deleted. The meter will print formatted reports of selected stored data directly using the built-in serial port, or all of the stored data can be downloaded to a computer spreadsheet or our free OWL Reporter software to produce formatted certification reports.

### Supported Cabling Standards:

EIA/TIA 568	ISO/IEC 11801	10 Gigabit Ethernet
100Base-SX / LX	100Base-FX	10Base-FB / FL FDDI
ATM-155 / 622	Fibre Channel	Token Ring

Also supports 2 user-defined standards

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

Product manuals come in PDF format on CD. Adobe Acrobat Reader™ is required to view these documents.

Carrying cases and patch cables are available for an additional charge. Call 262-473-0643 for more information.

