

Fiber OWL 4 BOLT Series

SKU: FO-4B / FO-4BC

Optical Power Meter

Features

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

Integrated light source for optical measurement of fiber links (1310nm; ST connector only)

Multimode and singlemode ready

High-Power version available

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 calculation of maximum allowable loss values

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

Measurement range

+5 to -70 dBm (FO-4B)
+25 to -50 dBm (FO-4BC)

Absolute accuracy¹

± 0.15dB

NIST traceable calibrated wavelengths

850nm, 1300nm, 1310nm, 1550nm

Additional Wavelengths

980nm, 1490nm, 1625nm

Resolution

0.01dB

Precision¹

± 0.10dB

Dimensions

6.48 x 3.48 x 1.1 in

Light Source

Launch Method

Laser

Connector

ST

Center Wavelength

1310 nm

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

¹ Over range of 0 to -45 dBm



Applications

The Fiber OWL 4 BOLT 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 makes performing optical length measurements easy. The light source connector port is ST only.

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 BOLT 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 USB 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	1000Base-SX / LX
100Base-FX	10Base-FB / FL	FDDI
ATM-155 / 622	Fibre Channel	Token Ring

Also supports 2 user-defined standards



MADE IN USA

N.I.S.T. Traceable

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.

