

Stand-alone Optical Power Meters

Multimode Singlemode



Description

The Micro OWL is a highly accurate hand-held optical power meter, capable of performing a wide range of functions from simple optical power and loss measurements to standards-based link certification of TIA-568-B.3 networks. Its built-in Link Wizard walks the user through a series of steps, prompting the user to pick the parameters of their link under test, and sets an optical reference based on these parameters. This optical reference is used as a point of reference by which a test will PASS or FAIL. Up to 1000 fiber runs can be stored in memory, and can be downloaded to a PC using our free OWL Reporter software via the supplied serial cable. OWL Reporter displays fiber tests in either a summary or detail view, and prints out professional certification reports that can be passed along to customers as proof of link certification. Data can also be saved to hard disk for later retrieval. A 2.5mm universal and 1.25mm universal connector port are included to connect to a wide variety of popular fiber optic connectors, including SC, ST, FC, LC, and SFF. The Micro OWL is enclosed in high-impact plastic, and a protective rubber boot provides additional shock protection. Its large backlit display is easy to read, and the 18-key pad allows for easy data entry. It can be used in many test environments, including LAN, MAN, WAN, Telco, CATV, Manufacturing, and Laboratory.

Applications include:

- TIA-568-B.3 Network Certification
- Attenuation Measurements
- Patch Cord Testing
- Optical Loss Measurements
- Active Equipment Optical Power Measurements

Specifications

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|---------------------------------|-----------------------|
| NIST-traceable Wavelengths (nm) | 850, 1300, 1310, 1550 |
| Measurement Range (dBm) | +5 to -70 |
| Accuracy (dB) | +0.15 |
| Resolution (dB) | 0.01 |
| Battery Life (hours) | up to 100 (9V) |
| Detector Port | Universal 2.5/1.25mm |
| Dimensions | 4.94" x 2.75" x 1.28" |
| Weight | 10 oz. |

Ordering Info

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|---------|---|--------|
| MO-1 | Micro OWL optical power meter | 645.00 |
| U2.5-4 | Replacement 2.5mm universal connector port | 35.00 |
| U1.25-4 | Replacement 1.25mm universal connector port | 35.00 |