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TECHNOLOGY GROUP

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ILX Lightwave
Lighting the Way in Electro-Optic Instrumentation.

# Optical Power & Wavelength Meters

## LWM-6500B

**Laser Wavelength Meter**



### Laser wavelength measurement

- Interfaces with any ILX Lightwave OMH-6700B Series Wavelength Measurement Head
- High accuracy
- Resolution of 0.01 nm on SLOW update rate
- GPIB/IEEE-488.2 Interface Option
- Free LabVIEW® driver available

## OMM-6810B

**Optical Multimeter**



### Stable and accurate optical power measurement

- NIST traceable power measurement
- Accurate wavelength measurement
- Displays power and wavelength simultaneously
- Interfaces with any ILX Lightwave OMH-6700B Series Measurement Head (Shown)
- GPIB/IEEE-488.2 Interface Option
- Free LabVIEW® driver available

## OMH-6700B Series

## Optical Measurement Heads

**Flexible heads offering power, wavelength and combination measurement capability**

| Optical Measurement Heads | | General | | | Power Measurement | | Wavelength Measurement | |
|---|---|---|---|---|---|---|---|---|
| **Application** | **Measurement Head** | **Wavelength Range (um)** | **Aperture (mm)** | **Dimensions (mm)** | **Range (dBm)** | **Accuracy (%)** | **Range (dBm)** | **Accuracy (nm)** |
| **High-Sensitivity Power Measurement** | **OMH-6700B** Silicon Power Probe | 0.4 to 1.1 | 100mm | 40 (dia.) x 20 | -80 to 0 | ± 5% | N/A | -- |
| **High Power Measurement** | **OMH-6703B** Silicon Power Head | 0.4 to 1.1 | 6mm | 69 (dia.) x 28 | -40 to 30 | ± 5% | N/A | -- |
| | **OMH-6708B** InGaAs Power Head | 0.8 to 1.6 | 6mm | 69 (dia.) x 28 | -50 to 20 | ± 5% | N/A | -- |
| **Power & Wavelength Measurement** | **OMH-6722B** Silicon Power/ Wave Head | 0.4 to 1.1 | 6mm | 69 (dia.) x 28 | -40 to 30 | ± 3.5% | -20 to 30 | ± 0.5 nm |
| | **OMH-6727B** InGaAs Power/ Wave Head | 0.95 to 1.65 | 6mm | 69 (dia.) x 28 | -40 to 30 | ± 3.5% | -20 to 30 | ± 0.5 nm |
| **Fiber Optic Heads** | | | | | | | | |
| **Fiber Optic Power Measurement** | **OMH-6709B** Cooled InGaAs Power Head | 0.8 to 1.7 | Fiber Input | 50 x 65 x 100 | -90 to 3 | ± 2.5% | N/A | -- |
| **Fiber Power & Wavelength Measurement** | **OMH-6745B** InGaAs Power/ Wave Head | 0.95 to 1.65 | Fiber Input | 50 x 65 x 100 | -50 to 20 | ± 3.5% | -30 to 20 | ± 0.5 nm |

## PDA-6424

**Photodiode Amplifier**



### Low-cost, general-purpose photodiode amplifier

- Low noise, wide dynamic range, 2 nA to 20 mA
- Adjustable reverse bias, 0.2 V to 5 V
- Accuracy better than ± 2%
- Current offset adjustment
- Measures relative optical power

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## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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