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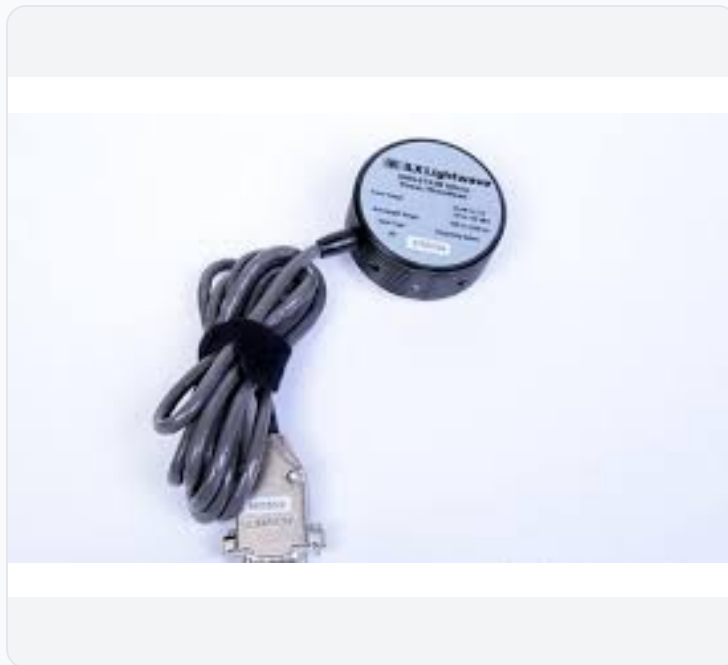
Data Sheet

August 13, 2026

ILX LIGHTWAVE

ILX Lightwave OMH-6722

The ILX Lightwave OMH-6722 is a precision optical mount designed for laser diodes. It provides stable and accurate positioning for various laser diode packages, ensuring optimal optical alignment and performance in research and development or production environments.



MODEL

**ILX Lightwave
OMH-6722**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

OMH-6722

LISTING

<https://aumictechlabs.com/products/omh-6722-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ILX Lightwave OMH-6722B is a silicon-based power and wavelength measurement head delivering simultaneous optical power and wavelength characterization across the visible and near-infrared spectrum. Built around an integrating sphere design, It has measurements insensitive to beam profile, alignment, polarization, and back reflection - critical advantages for reliable laser source characterization. The head operates with the OMM-6810B Optical Power and Wavelength Meter or the LWM-6500B Laser Wavelength Meter, with all calibration traceable to NIST standards. Technical Specifications Wavelength Range: 400 to 1100 nm Optical Power Range: -40 to +30 dBm (100 nW to 1 W) Wavelength Measurement Accuracy: ± 1.0 nm (NIST traceable) Detector Material: Silicon Operating Temperature: 0 °C to 40 °C Storage/Transport Temperature: -40 °C to 70 °C Relative Humidity: <80% RH, non-condensing Maximum Altitude: 3000 m Weight: Approximately 0.38 kg Cable Length: 2 meters included Key Features Integrating sphere architecture eliminates sensitivity to beam divergence and misalignment Simultaneous

power and wavelength measurement in a single instrument interface Accepts free-space or fiber-coupled input via optional adapters (FC, ST, DIN, SC, bare fiber) NIST-traceable calibration ensures measurement integrity Compact form factor suitable for laboratory and OEM integration Supply voltage tolerance: $\pm 10\%$ nominal, rated for continuous operation Typical Applications Laser diode characterization and process control Narrow-beam laser power and wavelength verification Multi-wavelength source analysis Collimated beam metrology at visible and near-infrared wavelengths Compatibility & Integration Primary interface: OMM-6810B Optical Power and Wavelength Meter Wavelength-only mode: LWM-6500B Laser Wavelength Meter Optional GPIB/IEEE-488.2 interface available for automated test systems Fiber adapter assemblies: AO271 (FC), AO272 (SC), AO273 (ST), AO276 (DIN), AO120 (bare fiber)

Features & description

From manufacturer datasheet

Features

- Silicon integrating-sphere power and wavelength head
- 6 mm free-space aperture (unlike fiber-input 10 W OMH-6790B)
- NIST-traceable family calibration
- Compatible only with OMM-6810B series meters
- ConfirmBsuffix on the head label versus older OMH-6722 markings

OMH6722 Characteristics / Specifications

PARAMETER	VALUE
Model	OMH-6722B (faceplate may read OMH-6722)
Manufacturer	ILX Lightwave (Newport / MKS)
Instrument Type	Silicon optical power and wavelength measurement head
Detector material	Silicon
Host meter	OMM-6810B
Spectral range	0.4 to 1.1 μ m (400 to 1100 nm)
Power range	-40 to +30 dBm
Power accuracy	$\pm 3.5\%$
Wavelength measurement range	-20 to +30 dBm
Wavelength accuracy	± 1.0 nm
Entrance aperture	6 mm
Housing	69 mm diameter x 28 mm
Related OMH 6742B power range	-40 to +30 dBm (100 nW to 1 W)
Related OMH 6742B wavelength accuracy	± 1.0 nm
Related OMH 6742B wavelength detection min	-20 dBm; 10 μ W
Related OMH 6703B noise	1 nW p-p typical
Related 1 W silicon damage	+37 dBm; 5 W (OMH-6703B / OMH-6742B)
Related 1 W silicon dimensions	69 mm diameter x 30 mm thick (OMH-6703B / OMH-6742B)
Related 1 W silicon weight	13.3 ounces (377 g)
Operating temperature family	+10 C to +40 C
Storage temperature family	-20 C to +60 C
Relative humidity family	max 85% non-condensing
Compatible connectors family	FC, bare fiber
Spec condition family	23 C ± 3 C after one-hour warm-up

PARAMETER	VALUE
Storage temperature	family: -20 C to +60 C
Operating temperature	family: +10 C to +40 C
Humidity	family: max 85% non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	family: -20 C to +60 C
Operating temperature	family: +10 C to +40 C
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Humidity	family: max 85% non-condensing
Operating temperature family	+10 C to +40 C
Storage temperature family	-20 C to +60 C
Relative humidity family	max 85% non-condensing
Compatible connectors family	FC, bare fiber
Spec condition family	23 C ±3 C after one-hour warm-up Notes Numeric rows for this SKU are the OMH-6722B column of the ILX OMM-6810B datasheet. Environmental, connector, damage, and related 1 W silicon figures are from the MKS OMH-6700B datasheet (OMH-6703B / OMH-6742B). Do not apply OMH-6790B 10 W / ±0.2 nm pump-head specs to this 1 W 6 mm head.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Instrument Type	Silicon optical power and wavelength measurement head
Detector material	Silicon
Host meter	OMM-6810B
Spectral range	0.4 to 1.1 um (400 to 1100 nm)
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Power accuracy	±3.5%
Wavelength measurement range	-20 to +30 dBm
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Related OMH 6742B power range	-40 to +30 dBm (100 nW to 1 W)
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.