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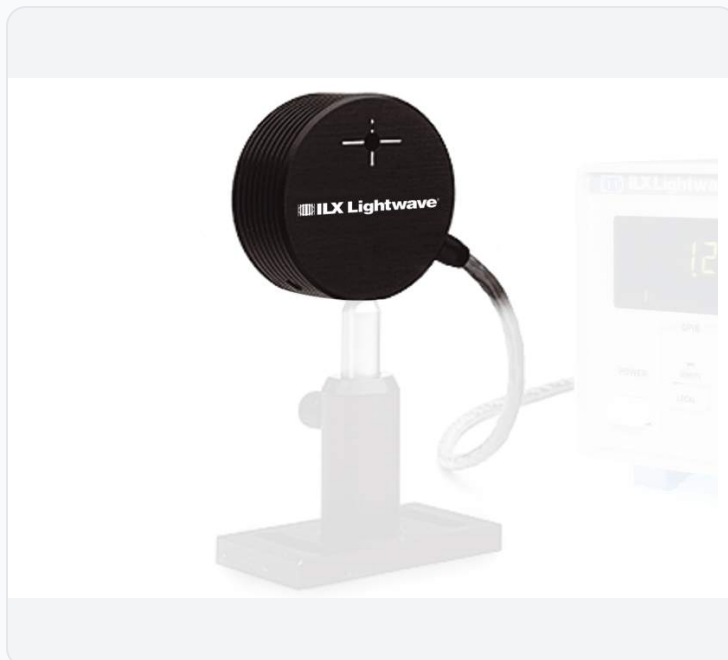
Data Sheet

August 2, 2026

ILX LIGHTWAVE

ILX Lightwave OMH6703B – Optical Power Measurement Head

ILX Lightwave OMH6703B – Optical Power Measurement Head The OMH6703B provides a silicon integrating-sphere optical power measurement head designed exclusively for use with the ILX Lightwave OMM-6810B optical multimeter, covering 400 to 1100 nm with approximately -40 to +30 dBm (100 nW to 1 W) power range. Free-space and fiber-coupled optical power measurement with OMM-6810B host; VIS and near-IR source characterization from 400 to 1100 nm; integrating-sphere measurements for divergent or non-collimated beams; laboratory optical power verification with 6 mm input port. The OMH6703B provides a silicon integrating-sphere optical power measurement head designed exclusively for use with the ILX Lightwave OMM-6810B optical multimeter, covering 400 to 1100 nm with approximately -40 to +30 dBm (100 nW to 1 W) power range. Free-space and fiber-coupled optical power measurement with OMM-6810B host; VIS and near-IR source characterization from 400 to 1100 nm; integrating-sphere measurements for divergent or non-collimated beams; laboratory optical power verification with 6 mm input port.



MODEL

**ILX Lightwave
OMH6703B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

OMH6703B

LISTING

<https://aumictechlabs.com/products/omh6703b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ILX Lightwave OMH6703B is an optical power measurement head designed for integration with ILX Lightwave optical power meters. It delivers precise measurement of optical power levels across a broad wavelength spectrum, serving photonics applications that demand accurate and reliable optical power data. The measurement head operates in standard units including Watts (W) and dBm, making it suitable for laboratory testing, research and development, quality control, and field service applications where optical power verification is critical.

Technical Specifications
Measurement Type: Optical Power Measurement Power Units: Watts (W), dBm

Key Features
Engineered for broad wavelength spectrum coverage Direct compatibility with ILX Lightwave optical power meter platforms Designed for optical power characterization

Typical Applications
Photonics research and component testing Laboratory quality control and validation Optical system characterization and verification Field service optical power assessment

Compatibility & Integration
The OMH6703B integrates with ILX Lightwave optical power meter instruments, providing a standardized measurement interface for photonics test environments.

Features & description

From manufacturer datasheet

Features

- Silicon integrating-sphere measurement head • Compatible with OMM-6810B optical multimeter only
- Wavelength range 400 to 1100 nm • Power range approximately -40 to $+30$ dBm (100 nW to 1 W) • 6 mm input port aperture • Free-space or fiber optic adapter coupling

OMH6703B Characteristics / Specifications

PARAMETER	VALUE
ILX Lightwave OMH6703B	Optical Power Measurement Head Overview The OMH6703B provides a silicon integrating-sphere optical power measurement head designed exclusively for use with the ILX Lightwave OMM-6810B optical multimeter, covering 400 to 1100 nm with approximately -40 to +30 dBm (100 nW to 1 W) power range.
Model	OMH6703B (OMH-6703B)
Manufacturer	ILX Lightwave
Instrument Type	Optical Power Measurement Head (Integrating Sphere)
Host Instrument	OMM-6810B only
Detector Type	Silicon integrating sphere
Wavelength Range	400 to 1100 nm
Power Range	Approximately -40 to +30 dBm (100 nW to 1 W)
Input Port	6 mm aperture
Coupling	Free-space or fiber optic adapter
Alias	OMH6703B / OMH-6703B Standard Operating Conditions Connect only to a compatible OMM-6810B host per ILX documentation. Center beam within 6 mm port for repeatable readings. Operate within rated power limits to avoid detector saturation or damage.

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

Specifications

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Model	OMH6703B (OMH-6703B)
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Standard Operating Conditions

Connect only to compatible OMM-6810B host per ILX documentation. Center beam within 6 mm port for repeatable readings. Operate within rated power limits to avoid detector saturation or damage.

Operational Notes

The OMH6703B is not a stand-alone power meter—it requires the OMM-6810B host for calibration, ranging, and readout. Do not assume compatibility with other OMM models without verification. Alias OMH6703B / OMH-6703B.

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.