

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

ILX LIGHTWAVE

ILX Lightwave OMH-6732B – Power/Wavehead

ILX Lightwave Optical Power Meters. Wavelength: dependent detector response, Accuracy: $\pm 3.5\%$, Accuracy: ± 0.5 nm (NIST traceable).



MODEL

**ILX Lightwave
OMH-6732B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

OMH-6732B

LISTING

<https://aumictechlabs.com/products/omh-6732b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ILX Lightwave OMH-6732B is a dual-function optical measurement head that combines power and wavelength measurement into a single probe for laser diode and LED characterization. Silicon detectors integrated with an integrating sphere architecture eliminate common measurement obstacles - detector saturation, beam alignment sensitivity, profile variations, polarization effects, and back reflections - delivering repeatable, accurate results across a wide dynamic range. The head self-calibrates wavelength-dependent detector response, temperature-stabilized detectors ensure environmental independence, and all measurements trace to NIST standards. Technical Specifications Optical Power Measurement Range: -40 dBm to $+30$ dBm (100 nW to 1 W) Maximum power: 1 W Accuracy: $\pm 3.5\%$ Linearity: Typical 60 to 70 dB dynamic range Wavelength Measurement Range: 350 nm to 530 nm Accuracy: ± 0.5 nm (NIST traceable) Measurement type: Mean wavelength across all spectral content Minimum input power: -4 dBm for wavelengths < 1.2 μ m Detector Material: Silicon Temperature control: Active stabilization for measurement repeatability Key Features Integrated power and wavelength measurement

eliminates dual-instrument setups Integrating sphere design reduces alignment criticality and polarization sensitivity Wavelength self-calibration removes manual wavelength input requirements Temperature-controlled detector response ensures consistent performance NIST-traceable calibration performed in ILX Lightwave laboratory Linear response across 60–70 dB dynamic range minimizes saturation artifacts

Typical Applications Laser diode parameter characterization and production testing LED spectral and power analysis Optical source validation in integrated photonic systems

Compatibility & Integration Designed for use with the ILX Lightwave OMM-6810B Optical Multimeter or LPA-9080 series laser diode parameter analyzer. Supports FC/PC, FC/APC, SC, ST, DIN connectors and bare fiber configurations via standard adapter assemblies. System-level integration via GPIB/IEEE-488.2 enabled.

Features & description

From manufacturer datasheet

Technical Specifications

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ILX Lightwave OMH-6732B — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the ILX Lightwave OMH-6732B. Calibration covers detector responsivity at 850, 1310, 1490, 1550, and 1625 nm, absolute power accuracy, linearity across the full dynamic range, and reference power level. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Common ILX Lightwave OMH-6732B faults: detector contamination, damaged FC/PC input port, display failure. Common repairs include detector port cleaning or replacement, display repair, and battery or capacitor replacement in older HP/Agilent/Keysight units. [Request Calibration](#) → [Request Repair Quote](#) →

ILX Lightwave OMH-6732B price

This ILX Lightwave OMH-6732B is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

ILX Lightwave OMH-6732B calibration cost

NIST-traceable calibration for the ILX Lightwave OMH-6732B is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Calibration for this instrument covers detector responsivity at 850, 1310, 1490, 1550, and 1625 nm, absolute power accuracy, linearity across the full dynamic range, and reference power level. Turnaround is 1 to 3 business days after receipt. [See full calibration details](#) →

Applications

Laser diode parameter characterization and production testing LED spectral and power analysis Optical source validation in integrated photonic systems Compatibility & Integration Designed for use with the ILX Lightwave OMM-6810B Optical Multimeter or LPA-9080 series laser diode parameter analyzer. Supports FC/PC, FC/APC, SC, ST, DIN connectors and bare fiber configurations via standard adapter assemblies. System-level integration via GPIB/IEEE-488.2 enabled.

Unit notes

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OMH-6732B Specifications

PARAMETER	VALUE
Power Range (dBm)	-40 dBm to +30 dBm Wavelength Range: 350 nm to 530 nm

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.

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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.