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Data Sheet
August 1, 2026

ILX LIGHTWAVE

ILX Lightwave MPS-8035 – Dual Channel Fiber Optic Source

The ILX Lightwave MPS-8035 is a dual-channel fiber optic source designed for precision testing and characterization of optical components and systems. It offers stable and accurate optical power output, making it ideal for laboratory and manufacturing environments.

MODEL ILX Lightwave MPS-8035	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU MPS-8035	LISTING https://aumictechlabs.com/products/mps-8035-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The ILX Lightwave MPS-8035 is a dual-channel fiber optic source engineered for precision testing and characterization of optical components and systems. It delivers stable, accurate optical power output in laboratory and manufacturing environments. The instrument employs precision laser diode temperature and current control electronics to maintain output stability across extended measurement intervals.Technical Specifications The MPS-8035 architecture supports dual independent optical channels with configurable wavelength capability. Output power stability is specified at better than ±0.005 dB over 15 minutes and ±0.03 dB over 24 hours. The instrument accommodates installed modules or configurations for specific wavelength operation, including WDM C-Band and L-Band applications.Key Features Dual-channel independent operation Precision laser diode temperature and current control High output power stability (±0.005 dB / 15

min; ±0.03 dB / 24 hr) Configurable wavelength modules for WDM applications GPIB interface for automated test system integrationTypical Applications The MPS-8035 is suited for optical component testing, power meter calibration, and precision laboratory measurements where stable, dual-wavelength sourcing is required.Compatibility & Integration The instrument integrates into automated test systems via GPIB connectivity. Module-based wavelength configuration enables adaptation to specific C-Band and L-Band measurement requirements. Note: This product is listed as obsolete by ILX Lightwave (Newport). Manufacturer technical support, repair, and calibration services are no longer available.

Features & description

From manufacturer datasheet

Features

• Dual independent fiber optic source channels • Microprocessor-controlled laser diode temperature and current control • High output stability (MPS-803x family): better than +/-0.005 dB over 15 minutes; +/-0.03 dB over 24 hours (ASE models may quote 12-hour stability) • Low wavelength drift via internal temperature control • CW and internally modulated operating modes (family: front-panel 270 Hz, 1 kHz, 2 kHz; GPIB modulation 160 Hz to 15 kHz) • Standard GPIB remote interface • User-specified / module-dependent wavelengths including WDM C-band and L-band options

MPS8035 Characteristics / Specifications

PARAMETER	VALUE
Model	MPS-8035
Manufacturer	ILX Lightwave (Newport / MKS)
Instrument Type	Dual-channel precision fiber optic laser / ASE source
Channels	2 independent optical outputs
Wavelength	Configuration / module dependent (C-band and L-band class options in the MPS-803x family)
Output Power Stability (family)	+/-0.005 dB / 15 min; +/-0.03 dB / 24 h typical published family figure
Operating Modes	CW; internal modulation
Remote Interface	GPIB
Form Factor	Benchtop fiber optic source (approximately 15 lb class shipping weight in secondary-market listings)
Status	Listed as obsolete by later ILX/Newport documentation; support availability varies Family Context The MPS-8033 is the closely related single-channel precision fiber optic source with published stability and modulation specs cited above. The MPS-8035 extends that architecture to dual-channel operation. Exact installed laser type (FP, DFB, ASE), wavelength, and connector (for example FC/APC) must be read from the unit faceplate and option labels.
High output stability (MPS-803x family)	better than +/-0.005 dB over 15 minutes; +/-0.03 dB over 24 hours (ASE models may quote 12-hour stability)
CW and internally modulated operating modes (family	front-panel 270 Hz, 1 kHz, 2 kHz; GPIB modulation 160 Hz to 15 kHz)
Power stability	(family): +/-0.005 dB / 15 min; +/-0.03 dB / 24 h typical published family figure

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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Standard Operating Conditions
Allow warm-up before stability-critical measurements. Observe laser safety class markings on the installed heads. Confirm connector polish type before mating fiber jumpers.

Operational Notes
Do not assumeaspecific wavelength or milliwatt power level without reading the installed channel labels. For automated systems, set GPIB address and verify modulation source (internal vs CW) per channel.

Laser Safety

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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

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