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Data Sheet
August 1, 2026

ILX LIGHTWAVE

ILX Lightwave SSB-9200: High Density Source Bank

The ILX Lightwave SSB-9200 is a high-density optical source bank engineered for laser diode testing and characterization in DWDM component, amplifier, and system applications. It consolidates up to 100 sources per mainframe into a compact platform, delivering versatile optical signal generation for both manual and automated test environments. Compatibility & Integration The SSB-9200 accepts ILX Lightwave 2-Channel Laser Diode Cards and operates through SCPI-compliant GPIB connectivity, enabling integration into established test automation frameworks and ATE systems. Aumictech offers NIST-traceable calibration and repair for the ILX Lightwave SSB-9200. Calibration covers output power at specified wavelengths, wavelength accuracy, 15-minute output stability, and modulation frequency accuracy where applicable. All calibrations ship with a NIST-traceable certificate. Turnaround is typicall

MODEL **ILX Lightwave SSB-9200**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **SSB-9200**	LISTING **https://aumictechlabs.com/products/ssb-9200-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

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consolidates up to 100 sources per mainframe into a compact platform, delivering versatile optical signal generation for both manual and automated test environments.Technical Specifications Chassis Capacity: Up to 100 sources per mainframe Display: Large TFT-VGA display User Interface: Menu-driven front panel control Communication: SCPI-compliant GPIB interface for remote operation and automated testing Modulation: Flexible internal and external modulation with adjustable coherence control Optical Components: Integrated optical components for signal conditioning Physical: 12 × 10 × 8 inches; 5 lbsKey Features High-density architecture supporting large-channel-count test setups Dual operation modes: front panel manual control and GPIB-driven automation Integrated optical signal path with configurable modulation architecture Adjustable coherence control for precise optical characterizationTypical Applications DWDM component testing and validation Optical amplifier characterization Multi-channel laser diode qualification in R&D and production Experimental optical system development requiring multiple synchronized sources Automated high-volume production testCompatibility & Integration The SSB-9200 accepts ILX Lightwave 2-Channel Laser Diode Cards and operates through SCPI-compliant GPIB connectivity, enabling integration into established test automation frameworks and ATE systems.

Features & description

From manufacturer datasheet

Features

• High-density source bank mainframe • Up to about 100 laser source channels per mainframe (module dependent) • Large TFT-VGA display with menu-driven UI • SCPI-compliant GPIB for ATE • Flexible internal and external modulation • Adjustable coherence control • Integrated optical components for multi-channel environments • Modular source cards (DFB / WDM class modules in the ILX high-density family)

SSB9200 Characteristics / Specifications

PARAMETER	VALUE
Model	SSB-9200
Manufacturer	ILX Lightwave (Newport)
Instrument Type	High-density modular fiber optic source bank mainframe
Channel Capacity	up to approximately 100 sources per mainframe (installed modules determine actual count)
Display	TFT-VGA
Remote Interface	GPIB, SCPI-compliant
Modulation	Internal and external; coherence control adjustable
Form Factor	Rack-oriented high-density optical source bank
Typical Shipping Weight (used unit listings)	on the order of 28 lb class (configuration dependent) Module Context Individual channels are modular laser source cards with temperature control and modulation switch circuitry. Related ILX WDM DFB module families (for example 79800D / FOS series used in other ILX source mainframes) provide C-band and L-band DFB sources with high stability; exact SSB-9200 module catalog depends on the installed cards.

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
Confirm installed module wavelengths and power before connecting fiber plants. Use appropriate attenuators and isolators for multi-channel combining. Observe laser safety for Class 1 / 3B markings on modules.

Operational Notes
Channel count and wavelength plan are entirely module-dependent—read the inventory of installed source cards. Do not assumeafixed 30-channel configuration without verifying the chassis population.

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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