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Test & measurement • bought, sold, repaired, calibrated

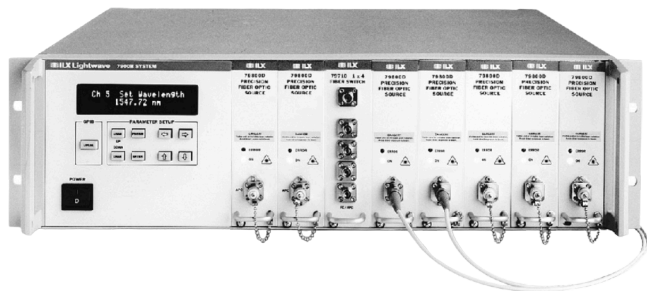
Data Sheet

August 15, 2026

ILX LIGHTWAVE

ILX Lightwave FOS-79870 – ECL Source Module

The ILX Lightwave FOS-79870 is an External Cavity Laser (ECL) source module engineered to deliver stable and precise optical output for demanding test and experimental applications. This module generates reliable optical signals where controlled emission characteristics are critical to measurement accuracy and system performance. Designed as a plug-in component within ILX Lightwave mainframe systems, the FOS-79870 integrates directly into established test architectures for fiber optic applications. Aumictech offers NIST-traceable calibration and repair for the ILX Lightwave FOS-79870. 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 typically 1–3 business days after receipt. Common ILX Lightwave FOS-79870 fa



MODEL

**ILX Lightwave
FOS-79870**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

FOS-79870

LISTING

<https://aumictechlabs.com/products/fos-79870-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ILX Lightwave FOS-79870 is an External Cavity Laser (ECL) source module engineered to deliver stable and precise optical output for demanding test and experimental applications. This module generates reliable optical signals where controlled emission characteristics are critical to measurement accuracy and system performance. Designed as a plug-in component within ILX Lightwave mainframe systems, the FOS-79870 integrates directly into established test

architectures for fiber optic applications. Technical Specifications The FOS-79870 operates as an ECL source module, providing stable and precise optical outputs. The module delivers reliable optical signals with characteristics optimized for testing and experimental purposes requiring controlled optical emission. Key Features External Cavity Laser (ECL) architecture for optical signal generation Stable and precise optical output characteristics Reliable signal performance for test environments Designed for controlled optical applications Typical Applications The FOS-79870 is suitable for applications requiring stable and controlled optical signals. Test and experimental setups benefit from its reliable optical emission characteristics, particularly where precision and stability are essential requirements. Compatibility & Integration This module integrates with ILX Lightwave mainframe systems as a dedicated source component. Installation within compatible ILX Lightwave platforms enables direct optical signal generation for integrated test configurations. Product Status: This product has been discontinued and is obsolete. No technical support, manuals, repairs, or calibrations are available from the manufacturer.

FOS79870 Characteristics / Specifications

PARAMETER	VALUE
Model	FOS-79870
Instrument Type	ECL fiber optic source module
Mainframe Family	ILX FOM-7900
Laser Type	external cavity laser
Fiber Output Class	single mode FC/APC class
Remote Interface	GPIB via mainframe
Form Factor	7900 plug-in module
Manufacturer	ILX Lightwave
Series Family	ILX FOS 798xx source modules
Control	front panel menus and GPIB
Wavelength Class	telecom tunable ECL band
Linewidth Class	narrow linewidth ECL
Power Class	calibrated optical output
Attenuation Class	module attenuator support
Modulation Class	mainframe sync modulation
Operating Temperature Class	0 C to 40 C
Storage Temperature Class	minus 20 C to 60 C
Humidity Class	non condensing
Cooling	mainframe cooled module bay
Compatibility	FOM-7900B module slots
Use Case	WDM and coherent optical test
Safety	laser safety interlocks on mainframe
Linewidth	Class: narrow linewidth ECL
Attenuation	Class: module attenuator support
Storage temperature	Class: minus 20 C to 60 C

PARAMETER	VALUE
Operating temperature	Class: 0 C to 40 C
Humidity	Class: non condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 20 C to 60 C
Operating temperature	Class: 0 C to 40 C
Operating Temperature	Class: 0 C to 40 C
Humidity	Class: non condensing
Operating Temperature Class	0 C to 40 C
Storage Temperature Class	minus 20 C to 60 C
Humidity Class	non condensing
Cooling	mainframe cooled module bay
Compatibility	FOM-7900B module slots
Use Case	WDM and coherent optical test
Safety	laser safety interlocks on mainframe Notes Identity from ILX Lightwave FOS-79870 ECL Source Module listings. Exact tuning range output power and linewidth limits are module revision dependent; confirm on the ILX module datasheet revision matching the serial.

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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Laser Safety

laser safety interlocks on mainframe Notes Identity from ILX Lightwave FOS-79870 ECL Source Module listings. Exact tuning range output power and linewidth limits are module revision dependent; confirm on the ILX module datasheet revision matching the serial.

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

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<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.