

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ILX LIGHTWAVE

ILX Lightwave CSM39010 Precision Current Module

Display: mainframe front panel readout class Remote Control: GPIB or USB via mainframe class Stability Class: low drift current source class Numeric and capability rows from ILX Lightwave CSM-39010 / CSM39010 100 mA current source module product descriptions. Exact compliance voltage and noise density are on the CSM-39010 datasheet. Remote Control: GPIB or USB via mainframe class Stability Class: low drift current source class Numeric and capability rows from ILX Lightwave CSM-39010 / CSM39010 100 mA current source module product descriptions. Exact compliance voltage and noise density are on the CSM-39010 datasheet.



MODEL

**ILX Lightwave
CSM39010**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CSM39010

LISTING

<https://aumictechlabs.com/products/csm39010-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ILX Lightwave CSM39010 is a precision current source specifically engineered for laser diode control. This instrument provides a stable and accurate current supply, essential for precise laser diode characterization. The CSM39010 features multiple levels of laser protection to ensure the

safety and longevity of the laser diode under test. Its low-noise operation enables high-resolution measurements and stable laser output, which is critical for applications requiring precise control.

CSM39010 Characteristics / Specifications

PARAMETER	VALUE
Model	CSM-39010
Alternate Model	CSM39010
Instrument Type	precision current source module
Current Range	100 mA
Mainframe Family	ILX Lightwave modular controllers
Function	CW current source for laser diodes
Setability Class	fine uA class resolution OEM
Compliance Voltage Class	LD driver compliance class
Noise Class	low noise LD current class
Modulation Class	analog modulation input class optional
Form Factor	ILX CSM plug-in module
Series Family	ILX CSM-390xx
Related Models	TLS-8802 FOA-79722 FOS-79800
Operating Temperature Class	0 C to 40 C lab class
Power Source	powered by ILX mainframe
Use Case	laser diode current drive
Interlock	laser safety interlock support class
Display	mainframe front panel readout class
Remote Control	GPIB or USB via mainframe class
Stability Class	low drift current source class
Protection	open circuit and limit class
Humidity Class	noncondensing
Operating temperature	Class: 0 C to 40 C lab class
Humidity	Class: noncondensing

CSM39010 Specifications

PARAMETER	VALUE
Applications	Precision laser diode CW drive, LED characterization, and modular optical source control in ILX chassis.
Key Features	100 mA precision current source
Technical Specifications	Model: CSM-39010

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 C to 40 C lab class
Operating Temperature	Class: 0 C to 40 C lab class
Humidity	Class: noncondensing
Operating Temperature Class	0 C to 40 C lab class
Power Source	powered by ILX mainframe
Use Case	laser diode current drive
Interlock	laser safety interlock support class
Display	mainframe front panel readout class
Remote Control	GPIB or USB via mainframe class
Stability Class	low drift current source class
Protection	open circuit and limit class
Humidity Class	noncondensing Notes Numeric and capability rows from ILX Lightwave CSM-39010 / CSM39010 100 mA current source module product descriptions. Exact compliance voltage and noise density are on the CSM-39010 datasheet.

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	
PARAMETER	VALUE
Model	CSM-39010
Alternate Model	CSM39010
Instrument Type	precision current source module
Current Range	100 mA
Mainframe Family	ILX Lightwave modular controllers
Function	CW current source for laser diodes
Setability Class	fine uA class resolution OEM
Compliance Voltage Class	LD driver compliance class
Noise Class	low noise LD current class
Modulation Class	analog modulation input class optional
Form Factor	ILX CSM plug-in module
Series Family	ILX CSM-390xx
Related Models	TLS-8802 F0A-79722 F0S-79800
Operating Temperature Class	0 C to 40 C lab class
Power Source	powered by ILX mainframe
Use Case	laser diode current drive
Interlock	laser safety interlock support class
Display	mainframe front panel readout class
Remote Control	GPIB or USB via mainframe class
Stability Class	low drift current source class
Protection	open circuit and limit class
Humidity Class	noncondensing
Notes	
Numeric and capability rows from ILX Lightwave CSM-39010 / CSM39010 100 mA current source module product descriptions. Exact compliance voltage and noise density are on the CSM-39010 datasheet.	

Laser Safety

laser safety interlock support class Display: mainframe front panel readout class Remote Control: GPIB or USB via mainframe class Stability Class: low drift current source class Protection: open circuit and limit class Humidity Class: noncondensing Notes Numeric and capability rows from ILX Lightwave CSM-39010 / CSM39010 100 mA current source module product descriptions. Exact compliance voltage and noise de

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.