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Test & measurement • bought, sold, repaired, calibrated

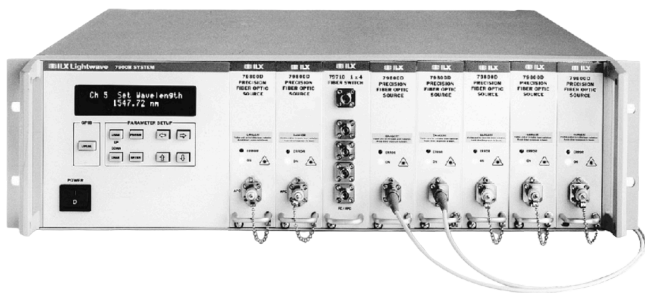
Data Sheet

August 15, 2026

ILX LIGHTWAVE

ILX Lightwave FOS79800D-000-1312.00 nm

The ILX Lightwave FOS79800D-000 is a fixed-wavelength fiber optic source operating at 1312.00 nm, engineered for precision testing and measurement in optical communication systems. It delivers stable, reliable optical output suitable for laboratory and production environments where accuracy and consistency are critical to fiber optic network validation and development work. Fixed wavelength operation at 1312.00 nm for repeatable, reference-grade measurements. Output stability prioritized for consistent performance across extended measurement sessions. Aumictech offers NIST-traceable calibration and repair for the ILX Lightwave FOS79800D-000-1312.00 nm. 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 typical.



MODEL

**ILX Lightwave
FOS79800D-000-
1312.00 nm**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**FOS79800D-000-
1312.00 nm**

LISTING

[https://aumictechlabs.c
om/products/fos79800
d-000-1312-00-nm-2/](https://aumictechlabs.com/products/fos79800d-000-1312-00-nm-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ILX Lightwave FOS79800D-000 is a fixed-wavelength fiber optic source operating at 1312.00 nm, engineered for precision testing and measurement in optical communication systems. It delivers stable, reliable optical output suitable for laboratory and production environments where

accuracy and consistency are critical to fiber optic network validation and development work.

Technical Specifications Model: FOS79800D-000 Center Wavelength: 1312.00 nm Output Type: Fiber optic source Key Features Fixed wavelength operation at 1312.00 nm for repeatable, reference-grade measurements Designed for stable optical output in demanding test environments Output stability prioritized for consistent performance across extended measurement sessions Typical Applications Precision testing and measurement in optical communication systems Fiber optic network development and validation Laboratory and production-environment testing Compatibility & Integration The 1312.00 nm operating wavelength is optimized for single-mode fiber optic systems, standard in telecommunications and data networking applications.

FOS79800D000131200NM Characteristics / Specifications

PARAMETER	VALUE
Model	FOS-79800D
Also Known As	FOS79800D-000-1312.00 nm
Instrument Type	WDM DFB fiber optic source module
Mainframe	FOM-7900B
Modules Per Mainframe	8
Wavelength RangeCBand 315C	1528 nm to 1564 nm
Wavelength RangeLBand 315L	1564 nm to 1610 nm
Inventory Wavelength	1312.00 nm on FOS79800D-000-1312 coded units
Output Power 315x	greater than or equal to 10 dBm
Power Stability 15 Minutes	less than or equal to 0.005 dB rms
Wavelength Accuracy Class	plus or minus 0.05 nm
Internal Modulation Frequency	0.1 to 500 kHz
External Modulation Input Frequency	1 to 500 kHz
Channel Sync Skew Class	less than 100 ns
Modulation Output	TTL
Remote Interface	GPIO IEEE-488.2 via mainframe
Connector Class	FC/APC fiber output
Attenuation	calibrated attenuator on module
Coherence Control	selectable
Manufacturer	ILX Lightwave
Related Switch	FOS-79710 fiber optic switch
Related Meter	DPM-79810 dual power meter
Mechanical Package	7900 plug-in module
Power stability	15 Minutes: less than or equal to 0.005 dB rms

FOS79800D000131200NM Specifications

PARAMETER	VALUE
Applications	WDM transmitter simulation, multi-channel optical stimulus in FOM-7900B, and 1310 nm-band component test on 1312 nm-coded modules.
Key Features	FOM-7900B DFB source plug-in
Technical Specifications	Model: FOS-79800D

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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PARAMETER	VALUE
Model	FOS-79800D
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Instrument Type	WDM DFB fiber optic source module
Mainframe	FOM-7900B
Modules Per Mainframe	8
Wavelength RangeCBand 315C	1528 nm to 1564 nm
Wavelength RangeLBand 315L	1564 nm to 1610 nm
Inventory Wavelength	1312.00 nm on FOS79800D-000-1312 coded units
Output Power 315x1	greater than or equal to 10 dBm
Output Power 315x2	greater than or equal to 13 dBm
Power Stability 15 Minutes	less than or equal to 0.005 dB rms
Wavelength Accuracy Class	plus or minus 0.05 nm
Internal Modulation Frequency	0.1 to 500 kHz
External Modulation Input Frequency	1 to 500 kHz
Channel Sync Skew Class	less than 100 ns
Modulation Output	TTL
Remote Interface	GPIO IEEE-488.2 via mainframe
Connector Class	FC/APC fiber output
Attenuation	calibrated attenuator on module
Coherence Control	selectable
Manufacturer	ILX Lightwave
Related Switch	FOS-79710 fiber optic switch
Related Meter	DPM-79810 dual power meter
Mechanical Package	7900 plug-in module
Notes	
From ILX 79800D/315 Series WDM DFB Fiber Optic Source Modules datasheet. 1312.00 nm in the catalog string is	

the installed DFB wavelength for that 79800D-000 unit; 315C/L tables cover C/L ITU-grid 315 modules in the same family.

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