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Data Sheet

August 15, 2026

CVI MELLES GRIOT

CVI Melles Griot 05-LPL-340-065 Laser Power Supply

The CVI Melles Griot 05-LPL-340-065 is a switching-regulated laser power supply engineered for Helium Neon (HeNe) lasers. It delivers stable constant current output with exceptionally low ripple - less than 0.30% rms - to ensure consistent laser performance across operating cycles. The unit accepts dual-voltage input (115/230 VAC $\pm 10\%$) at 50–60 Hz and achieves conversion efficiency exceeding 75%. Automatic protection circuits guard against frequent arc discharges, output terminal shorts, and critically low input voltage conditions. A built-in bleed circuit has additional safety compliance. The power supply features a key lock for manual control, power-on indicator lamp, and remote interlock capability via Jones plug connector (with jumper included). CDRH time delay is factory-set to 3–7 seconds. Aumictech offers NIST-traceable calibration and repair for the CVI Melles Griot 05-LPL-340-0



MODEL

**CVI Melles Griot
05-LPL-340-065**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

05-LPL-340-065

LISTING

<https://aumictechlabs.com/products/05-lpl-340-065-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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accepts dual-voltage input (115/230 VAC $\pm 10\%$) at 50–60 Hz and achieves conversion efficiency exceeding 75%. Automatic protection circuits guard against frequent arc discharges, output terminal shorts, and critically low input voltage conditions. A built-in bleed circuit has additional safety compliance. The power supply features a key lock for manual control, power-on indicator lamp, and remote interlock capability via Jones plug connector (with jumper included). CDRH time delay is factory-set to 3–7 seconds. Technical Specifications Input: 115/230 VAC $\pm 10\%$, 50–60 Hz Output Current Ripple: 75% Output Connector: Alden high-voltage connector or equivalent CDRH Time Delay: 3–7 seconds Operating Temperature Range: 0°C to +40°C Storage Temperature Range: -40°C to +80°C Operating Humidity: 0% to 90% (non-condensing) Power Cord: 1.8 m (6 ft) included Key Features Constant current regulation for stable HeNe laser operation Automatic shutdown on arc discharge, terminal short, or low input voltage Bleed circuits for safe discharge Key-operated power control Remote interlock with Jones connector Low-ripple output minimizes laser noise Compatibility & Integration Designed for HeNe laser systems using industry-standard Alden high-voltage connectors. Remote interlock input accepts standard Jones plug series circuit connections.

05LPL340065 Characteristics / Specifications

PARAMETER	VALUE
Model	05-LPL-340-065
Instrument Type	Compact constant current HeNe laser power supply
Family	CVI Melles Griot 05-LPL
Output Current	6.5 mA (065 suffix and Artisan configuration)
Output Voltage	1700 VDC (NSN 6130-01-340-7816)
Input Voltage Artisan	115-230 VAC drive voltage overlay
Input Voltage Nsn	115 VAC single operating power requirement
Input Frequency Nsn	400 Hz nominal
Overall Length	4.250 inches nominal (NSN)
Height	1.200 inches nominal (NSN)
Protection	hermetic (NSN ADZC)
Regulation Mode	constant current
Ripple Stability	low ripple, high stability (05-LPL family)
Shutdown Arc	automatic shutdown on frequent arc discharges
Shutdown Short	automatic shutdown on output-terminal short
Shutdown Uv	automatic shutdown on extremely low input voltage
Laser Type	helium-neon
Form Factor	compact brick / OEM module
Nsn	6130-01-340-7816
Cage	54081 Melles Griot Inc.
Fsc	6130 converters electrical non rotating
Manufacturer	CVI Melles Griot
Literature	Melles Griot 05-LPL family datasheet plus NSN 05LPL340-065 characteristics
Sibling	05-LPL-902-065 shares the 6.5 mA suffix in the same 05-LPL family

05LPL340065 Specifications

PARAMETER	VALUE
Applications	Helium-neon laser tubes needing a compact 6.5 mA constant-current brick with arc/short/undervoltage shutdown.
Key Features	6.5 mA constant-current HeNe brick
Technical Specifications	Model: 05-LPL-340-065

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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Input Voltage Artisan	115-230 VAC drive voltage overlay
Input Voltage Nsn	115 VAC single operating power requirement
Input Frequency Nsn	400 Hz nominal
Overall Length	4.250 inches nominal (NSN)
Height	1.200 inches nominal (NSN)
Protection	hermetic (NSN ADZC)
Regulation Mode	constant current
Ripple Stability	low ripple, high stability (05-LPL family)
Shutdown Arc	automatic shutdown on frequent arc discharges
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Notes	
From Melles Griot 05-LPL family description, Artisan 05-LPL-340-065 configuration (6.5 mA, 115-230 VAC), and	

NSN 6130-01-340-7816 (1700 VDC, 115 VAC, 400 Hz, 4.250 x 1.200 in, hermetic). Artisan 1.70-2.45 VDC listing isaunit error and is not used. Finer start-voltage milliamps belong on the tube/PSU nameplate.

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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NIST-traceable calibration · SAM registered ·
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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.