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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6209B DC Power Supply

Agilent 6209B Lab Series DC Power Supply 0 to 320 V 0 to 0.1 A The HP/Agilent 6209B is a Lab Series regulated DC power supply. OEM Lab Series catalog rates 0 to 320 V at 0 to 0.1 A. Bench and half-rack laboratory DC power, remote programmed systems, and auto-series/parallel stacks. Constant voltage / constant current with automatic crossover The HP/Agilent 6209B is a Lab Series regulated DC power supply. OEM Lab Series catalog rates 0 to 320 V at 0 to 0.1 A. Bench and half-rack laboratory DC power, remote programmed systems, and auto-series/parallel stacks. Constant voltage / constant current with automatic crossover Front and rear output terminals with automatic sensing



MODEL

**Agilent / Keysight
6209B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6209B

LISTING

<https://aumictechlabs.com/products/6209b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6209B is a single-output DC power supply engineered for precision voltage regulation in laboratory and production test environments. Delivering up to 32 W across a 0–320 Vdc range with 0–0.1 A output current, this instrument combines stable output with fine-grain control and low noise performance. The 6209B accommodates benchtop operation or integrates into rack systems individually or in pairs, supporting series, parallel, and auto-parallel configurations for expanded voltage and current capability. Technical Specifications Output Type: Single output Voltage Range: 0–320 Vdc Current Range: 0–0.1 A Power Output: 32 W Ripple and Noise: 1 mV rms, 40 mV peak-to-peak Load Regulation: 0.01% + 2 mV Output Impedance: 20 mΩ

series resistance + 1 μ H series inductance (typical) Voltage and Current Controls: 10-turn precision potentiometers Remote Sensing: Supported Maximum Operating Temperature: +40°C (indoor, controlled environment) Safety Classification: Class I with protective earth terminalKey Features 10-turn voltage and current controls enable fine resolution adjustment and repeatability. Remote sensing compensates for lead losses in high-current applications. Low output impedance and sub-millivolt ripple suit sensitive analog and digital circuit development. Load regulation of 0.01% + 2 mV maintains output stability across load variations. Typical Applications Component characterization and bench verification Equipment design and prototype validation Production test and burn-in operations Supply for precision measurement instruments Compatibility & Integration The 6209B mounts individually on the benchtop or racks as a standalone unit or in pairs. Series, parallel, and auto-parallel operation allow users to combine multiple units for extended voltage or current ranges. Auto-tracking master/slave configurations enable synchronized operation. Front and rear panel terminals support both local and remote connections.

6209B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Lab Series regulated DC power supply
Series Family	HP Lab Series 6200B family
Load Regulation Voltage	0.02 percent plus 2 mV
Load Regulation Current	0.03 percent plus 250 μ A
Line Regulation Voltage	0.02 percent plus 2 mV
Line Regulation Current	0.01 percent plus 250 μ A
Ripple Noise Voltage RMS	1 mV
Ripple Noise Current RMS	500 μ A
Transient Recovery Time	less than 50 μ s to within 10 mV after full load step
Temperature Coefficient Voltage	less than 0.02 percent plus 1 mV per $^{\circ}$ CStability Voltage 8 Hour: less than 0.1 percent plus 5 mV after 30 min warm-up
Stability Current 8 Hour	less than 0.15 percent plus 2.5 mA class
Internal Impedance DC to 1 kHz	less than 0.02 ohm
DC Floating Voltage	up to 300 V off ground
AC Input	105 to 125 / 210 to 250 Vac, 50 to 400 Hz class
Size	3.5 inHx 12.75 inDx 8.5 inWhalf rack
Cooling	convection
Metering	multiple range front panel meter
Output Voltage Rating	0 to 320 V
Output Current Rating	0 to 0.1 A
Maximum Power Class	32 W
Weight Class	13 lb net / 18 lb shipping
Input Power Class	48 to 63 Hz, about 1.0 A, 60 W
Meter Ranges Class	0 to 40 V, 0 to 400 V, 0 to 10 mA, 0 to 100 mA
Remote Programming Voltage	300 ohms per volt class

6209B Specifications

PARAMETER	VALUE
Overview	The HP/Agilent 6209B is a Lab Series regulated DC power supply. OEM Lab Series catalog rates 0 to 320 V at 0 to 0.1 A.
Front and rear output terminals with automatic sensing	Remote sensing and remote programming
Technical Specifications	Instrument Type: Lab Series regulated DC power supply
Notes	From HP Catalog Specialized 6200 Series Power Supplies Lab Series tables for Model 6209B.

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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Notes

From HP Catalog Specialized 6200 Series Power Supplies Lab Series tables for Model 6209B.

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 ·
30-day returns
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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.