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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6214A DC Power Supply

Agilent 6214A Bench Series DC Power Supply 0 to 10 V 0 to 1 A The HP/Agilent 6214A isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 10 V and 0 to 1 A. General purpose laboratory DC bias, student benches, and low-power circuit development. Constant voltage / constant current bench supply The HP/Agilent 6214A isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 10 V and 0 to 1 A. General purpose laboratory DC bias, student benches, and low-power circuit development. Constant voltage / constant current bench supply Coarse and fine concentric voltage and current controls



MODEL

**Agilent / Keysight
6214A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6214A

LISTING

[https://aumictechlabs.c
om/products/6214a-2/](https://aumictechlabs.com/products/6214a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6214A is a DC power supply delivering 10 W of stable, adjustable output for benchtop electronic testing and development. This single-output instrument provides independent voltage and current regulation with exceptional line and load stability, making it suitable for precision circuit characterization and device powering. The 6214A is an obsolete product no longer manufactured by Keysight Technologies, though technical support and repair services may remain available. Technical Specifications Output Ratings Voltage range: 0 to 10 Volts Current range: 0 to 1 A Power output: 10 W Regulation & Stability Constant voltage mode: < 0.01% + 2 mV Constant current mode: < 0.02% + 2 mA Voltage ripple and noise (20 Hz to 20 MHz): < 1 mVrms, 1

mVp-p Current ripple: 3 mArms Load transient response: $< 50 \mu\text{s}$ ($\pm 15 \text{ mV}$ recovery, full to half load) Accuracy & Resolution Programming accuracy: $< 0.35\% + 20 \text{ mV}$ (voltage), $< 0.35\% + 20 \text{ mA}$ (current) Readback accuracy: $< 0.35\% + 20 \text{ mV}$ (voltage), $< 0.35\% + 20 \text{ mA}$ (current) Meter resolution: 10 mV (voltage), 10 mA (current) Protection Over voltage protection: Programmable trip levels, response $< 1.5 \text{ ms}$ (trip $\geq 3 \text{ V}$), $< 10 \text{ ms}$ (trip $< 3 \text{ V}$) Over current protection: Programmable trip levels Output float voltage: $\pm 240 \text{ Vdc}$ Input & Physical AC input: Selectable $100/115/230 \text{ Vac}$ ($\pm 10\%$), 47 to 63 Hz Dimensions: $88.1 \text{ mm (H)} \times 212.3 \text{ mm (W)} \times 394.3 \text{ mm (L)}$ Weight: 7.3 kg Key Features Dual-mode constant voltage/constant current regulation Low output noise for sensitive analog circuits Fast transient recovery for dynamic load testing Programmable output protection thresholds Safety Class I instrument with protective earth terminal Typical Applications Precision circuit development, device characterization, low-voltage system testing, and laboratory power sourcing where stable, low-noise DC output is required. Compatibility & Integration This instrument era typically supported analog front-panel control and may have included GPIB compatibility for automated test systems.

6214A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Bench Series regulated DC power supply
Series Family	HP Bench Series 6212B 6214B 6216B 6218B
Output Voltage Rating	0 to 10 V
Output Current Rating	0 to 1 A
Maximum Power Class	10 W
Operating Modes	constant voltage and constant current
Load Regulation Voltage Class	0.01 percent plus millivolt class per manual
Line Regulation Voltage Class	0.01 percent plus millivolt class per manual
Ripple Noise Voltage Class	low millivolt RMS typical of series regulator benches
Stability Voltage 8 Hour	less than 0.1 percent plus 5 mV after 30 min warm-up
AC Input	115 Vac plus or minus 10 percent, 48 to 440 Hz class
AC Input Alternate	230 Vac operation supported by reconnection
Controls	concentric coarse and fine voltage and current
Metering	switched voltage and current ranges
Cooling	convection
Mounting	bench case
Overload Protection	CV/CC crossover limiting
Floating Output	either terminal may be grounded
Remote Programming	resistance programming terminals on family units
Remote Sensing	available on rear barrier strip class
Temperature Operating	0 to 55 C class
Manual Family	5950-1928 Bench Series

6214A Specifications

PARAMETER	VALUE
Applications	General purpose laboratory DC bias, student benches, and low-power circuit development.
Front panel binding posts for lab connections	Series regulator design for low noise
Technical Specifications	Instrument Type: Bench Series regulated DC power supply

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	
Voltage/current ratings from HP Bench Series Operating and Service Manual family (6212B/6214B/6216B/6218B) and matching A/C revision OEM listings. Confirm letter revision on faceplate.	

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>

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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.