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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6216B DC Power Supply

Agilent 6216B Bench Series DC Power Supply 0 to 25 V 0 to 0.4 A The HP/Agilent 6216B isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 25 V and 0 to 0.4 A. General purpose laboratory DC bias, student benches, and low-power circuit development. Constant voltage / constant current bench supply The HP/Agilent 6216B isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 25 V and 0 to 0.4 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
6216B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6216B

LISTING

<https://aumictechlabs.com/products/6216b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6216B is a benchtop DC power supply delivering 0–25 V at 0–400 mA with 10 W output power. It operates in constant voltage and constant current modes with automatic crossover when preset limits are exceeded. Front-panel coarse and fine voltage controls and a switchable meter enable precise voltage or current monitoring. Binding post output terminals suit standard lab configurations. Technical Specifications Output Power and Range Output voltage: 0–25 V DC Output current: 0–400 mA Output power: 10 W Regulation Performance Load regulation in constant voltage mode is better than 0.01% + 4 mV across full to no-load current changes. Constant current mode achieves less than 0.03% + 250 μ A for zero to maximum output voltage

swings. Line regulation holds less than $0.01\% + 4 \text{ mV}$ in constant voltage and $0.01\% + 250 \mu\text{A}$ in constant current for input variations within rated range. Output Quality
Ripple and noise in constant voltage mode measures less than $200 \mu\text{V rms}$ or $1 \text{ mV peak-to-peak}$ (DC to 20 MHz). Constant current mode exhibits less than $500 \mu\text{A peak-to-peak}$ noise. Stability after 30-minute warm-up is better than $0.10\% + 5 \text{ mV (CV)}$ or $0.10\% + 5 \text{ mA (CC)}$ drift over 8 hours. Temperature and Impedance
Temperature coefficient is less than $0.02\% + 1 \text{ mV per } ^\circ\text{C}$ in constant voltage mode. Internal impedance as a constant voltage source is less than 0.02Ω (DC to 1 kHz), less than 0.5Ω (1 kHz to 100 kHz), and less than 3.0Ω (100 kHz to 1 MHz). Transient recovery to within 10 mV follows a full load current step in under $50 \mu\text{s}$.
Key Features Dual-mode operation: constant voltage and constant current with automatic crossover Low output impedance across DC and AC frequency ranges Single front-panel meter for voltage or current readout Coarse and fine voltage adjustment controls Binding post output connectors AC input: 115 V or 230 V, 50–400 Hz
Typical Applications Electronic circuit development, device characterization, and component testing requiring stable, low-noise DC power with precise current limiting.
Compatibility & Integration Standard benchtop form factor with universal AC input acceptance and binding post terminations for flexible integration into existing laboratory systems.

6216B 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 25 V
Output Current Rating	0 to 0.4 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

6216B 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

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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.