


Aumictech

Test & measurement · bought, sold, repaired, calibrated

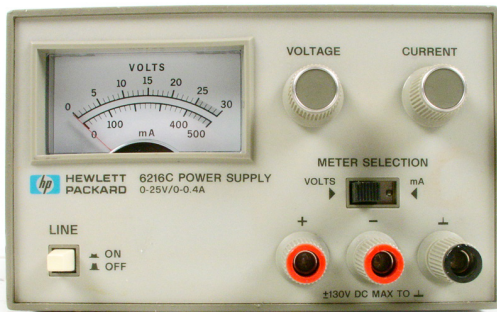
Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6216C DC Power Supply

Agilent 6216C Bench Series DC Power Supply 0 to 25 V 0 to 0.4 A The HP/Agilent 6216C 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 6216C 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
6216C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6216C

LISTING

[https://aumictechlabs.c
om/products/6216c-2/](https://aumictechlabs.com/products/6216c-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6216C is a programmable single-output DC power supply engineered for precision test and measurement applications in laboratory and industrial environments. This 54 W unit delivers 0–18 V at 0–3 A with exceptional load and line regulation, making it ideal for component characterization, circuit validation, and automated test systems requiring stable, low-noise power delivery. Technical Specifications Output Characteristics Voltage range: 0–18 V Current range: 0–3 A Maximum output power: 54 W Output voltage ripple: ≤ 1 mV RMS Output current ripple: ≤ 5 mA RMS Regulation Performance Voltage load regulation (0–100%): ≤ 0.01% + 3 mV Voltage line regulation (105–127 Vac or 210–250 Vac): ≤ 0.01% + 2 mV Current load

regulation (0–100%): $\leq 0.05\% + 2 \text{ mA}$ Current line regulation (105–127 Vac or 210–250 Vac): $\leq 0.05\% + 1 \text{ mA}$ Programming & Readback Accuracy ($25^{\circ}\text{C} \pm 5^{\circ}\text{C}$) Voltage programming accuracy: $\pm (0.1\% \text{ of setting} + 10 \text{ mV})$ Voltage readback accuracy: $\pm (0.1\% \text{ of reading} + 10 \text{ mV})$ Current programming accuracy: $\pm (0.2\% \text{ of setting} + 5 \text{ mA})$ Current readback accuracy: $\pm (0.2\% \text{ of reading} + 5 \text{ mA})$ Transient response time (50% load change): $\leq 500 \mu\text{s}$ Key Features Adjustable overvoltage protection (OVP) and overcurrent protection (OCP) safeguard connected loads Internal over-temperature protection (OTP) ensures safe operation Remote sense capability compensates for voltage drops in supply cabling Analog programming inputs on rear panel enable remote voltage and current control Selectable input voltage (105–127 Vac or 210–250 Vac), 47–63 Hz operation Typical Applications Component burn-in and life testing; semiconductor device characterization; power conversion efficiency validation; laboratory power for prototype development; ATE (automated test equipment) subsystem integration. Compatibility & Integration Compact benchtop form factor: 212.6 mm $\times$ 88.1 mm $\times$ 323.1 mm, weighing 4.9 kg. Operating range 0–40°C; storage rated to -40–70°C. Input current draw: 3.5 A RMS at 105 Vac, 1.8 A RMS at 250 Vac.

6216C 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

6216C 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	
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
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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

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