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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6218C DC Power Supply

Agilent 6218C Bench Series DC Power Supply 0 to 50 V 0 to 0.2 A The HP/Agilent 6218C isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 50 V and 0 to 0.2 A. General purpose laboratory DC bias, student benches, and low-power circuit development. Constant voltage / constant current bench supply The HP/Agilent 6218C isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 50 V and 0 to 0.2 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
6218C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6218C

LISTING

[https://aumictechlabs.c
om/products/6218c-2/](https://aumictechlabs.com/products/6218c-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6218C is a single-output DC power supply delivering stable, low-noise power for bench testing and measurement applications. It operates in both constant voltage and constant current modes with automatic load-dependent transitions, providing 0–60 V at 0–5 A output. Ten-turn controls enable precise voltage and current adjustment, while a front-panel volt/ammeter with selectable display monitors real-time output parameters. Technical Specifications Output Ratings Voltage: 0–60 V Current: 0–5 A Overvoltage Protection (OVP): Front-panel adjustable circuit for load protection Regulation Performance Load regulation (CV mode): < 4 mV across full current change Load regulation (CC mode): < 500 μ A across full

voltage change Line regulation (CV mode): < 4 mV for $\pm 10\%$ input variation Line regulation (CC mode): < 500 μA for $\pm 10\%$ input variation Output Quality Ripple and noise (CV mode): < 200 μV rms / 1 mV p-p (DC to 20 MHz) Ripple and noise (CC mode): < 150 μA p-p (DC to 20 MHz) Temperature coefficient (voltage): < 0.02% + 1 mV per $^{\circ}\text{C}$ Long-term drift (8 hours post-warmup): < 0.1% + 5 mV total Operating Conditions AC input: 115 Vac $\pm 10\%$, 47–63 Hz (optional 100 Vac $\pm 10\%$, 47–63 Hz available) Temperature range: 0–40 $^{\circ}\text{C}$ for full rated output Cooling: Convection Warmup time: 30 minutes to stability Key Features Ten-turn voltage and current potentiometers for fine-grain adjustment Dual-mode operation with automatic CV/CC transition Combination analog meter with front-panel selection between voltage and current display Low output noise and excellent load/line regulation Front-panel OVP adjustment for device protection

6218C 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 50 V
Output Current Rating	0 to 0.2 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

6218C 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.