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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6201B DC Power Supply

Agilent 6201B Lab Series DC Power Supply 0 to 20 V 0 to 1.5 A The HP/Agilent 6201B isaLab Series regulated DC power supply. OEM Lab Series catalog rates 0 to 20 V at 0 to 1.5 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 6201B isaLab Series regulated DC power supply. OEM Lab Series catalog rates 0 to 20 V at 0 to 1.5 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
6201B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6201B

LISTING

[https://aumictechlabs.c
om/products/6201b-2/](https://aumictechlabs.com/products/6201b-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6201B is a 0-20 VDC, 0-1.5 A programmable DC power supply delivering 30 W maximum output. It operates in constant voltage and constant current modes, providing load and line regulation better than 0.01% + 4 mV (CV) and 0.03% + 250 μ A (CC). Output ripple and noise measure less than 200 μ Vrms in CV mode and 500 μ Arms in CC mode, with transient recovery under 50 μ s following full load current changes. The supply features external voltage or resistance programming at 1000 ohms per ampere, high-speed programming to 30 V/ms, and fast 8-hour stability of 0.1% + 5 mV (CV) and 0.15% + 2.5 mA (CC). Internal impedance ranges from 0.02 ohms DC to 1 kHz, 0.5 ohms 1-100 kHz, and 3.0 ohms 100 kHz to 1 MHz. Temperature

coefficient performance reaches $0.02\% + 1 \text{ mV per } ^\circ\text{C}$ (CV) and $0.02\% + 1 \text{ mA per } ^\circ\text{C}$ (CC). Continuously acting constant current protection safeguards against all overloads and direct short-circuit conditions. Reverse polarity protection via integrated diode across output terminals prevents damage from miswiring. Operating temperature range spans 0°C to 50°C with storage capability to -40°C to $+85^\circ\text{C}$. Technical Specifications Output: 0-20 VDC, 0-1.5 A, 30 W maximum Load regulation (CV): $<0.01\% + 4 \text{ mV}$ Load regulation (CC): $<0.03\% + 250 \mu\text{A}$ Line regulation (CV): $<0.01\% + 4 \text{ mV}$ Line regulation (CC): $<0.01\% + 250 \mu\text{A}$ Ripple/noise (CV): $<200 \mu\text{Vrms}$ Ripple/noise (CC): $<500 \mu\text{Arms}$ Temperature coefficient (CV): $<0.02\% + 1 \text{ mV}/^\circ\text{C}$ Temperature coefficient (CC): $<0.02\% + 1 \text{ mA}/^\circ\text{C}$ 8-hour drift (CV): $<0.1\% + 5 \text{ mV}$ 8-hour drift (CC): $<0.15\% + 2.5 \text{ mA}$ Internal impedance: 0.02Ω (DC-1 kHz), 0.5Ω (1-100 kHz), 3.0Ω (100 kHz-1 MHz) Transient recovery: $<50 \mu\text{s}$ to within 10 mV Operating temperature: 0°C to 50°C Storage temperature: -40°C to $+85^\circ\text{C}$ Key Features Dual-mode operation: constant voltage and constant current High-speed programmable output at 30 V/ms External voltage or resistance programming via $1000 \Omega/\text{A}$ coefficient Integrated overload and short-circuit protection Reverse polarity protection 30 minute warm-up to stability specification Typical Applications Laboratory circuit development and testing Industrial device power validation Electronic component characterization Precision measurement system power Compatibility & Integration External programming input accepts voltage or resistance sources for remote control of output levels.

6201B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Lab Series regulated DC power supply
Series Family	HP Lab Series 6200B family
Load Regulation Voltage	0.01 percent plus 4 mV
Load Regulation Current	0.03 percent plus 250 μ A
Line Regulation Voltage	0.01 percent plus 4 mV
Line Regulation Current	0.01 percent plus 250 μ A
Ripple Noise Voltage RMS	200 μ V
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 20 V
Output Current Rating	0 to 1.5 A
Maximum Power Class	30 W
Programming Speed Class	30 V per ms between 1 V and rated output
Weight Class	14 lb net / 19 lb shipping
Input Power Class	about 0.8 A, 66 W
Meter Ranges Class	0 to 2.4 V, 0 to 24 V, 0 to 0.18 A, 0 to 1.8 A

6201B Specifications

PARAMETER	VALUE
Overview	The HP/Agilent 6201B is a Lab Series regulated DC power supply. OEM Lab Series catalog rates 0 to 20 V at 0 to 1.5 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 6201B.

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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Transient Recovery Time	less than 50 us to within 10 mV after full load step
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Notes

From HP Catalog Specialized 6200 Series Power Supplies Lab Series tables for Model 6201B.

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.