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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 6115A Voltage Source, 0-50V, 0.8A | 50-100V, 0.4A

HP Agilent 6115A Precision Voltage Source The HP/Agilent 6115A is the higher-voltage sibling of the 6114A precision CV/CC source, providing automatic dual-range output of 0 to 50 V at 0.8 A and 50 to 100 V at 0.4 A (40 W). OEM literature shares the 0.025% + 1 mV accuracy class and 200 μ V resolution push-button setting with the 6114A family. Precision high-voltage bias to 100 V, calibration of meters and references, and low-noise laboratory CV/CC supply work requiring 40 W class precision. Automatic dual-range 50 V/0.8 A and 100 V/0.4 A output The HP/Agilent 6115A is the higher-voltage sibling of the 6114A precision CV/CC source, providing automatic dual-range output of 0 to 50 V at 0.8 A and 50 to 100 V at 0.4 A (40 W). OEM literature shares the 0.025% + 1 mV accuracy class and 200 μ V resolution push-button setting with the 6114A family. Precision high-voltage bias to 100 V, calibration of meters and references, and low-noise laboratory CV/CC supply work requiring 40 W class precision. Automatic dual-range 50 V/0.8 A and 100 V/0.4 A output



MODEL

HP / Agilent 6115A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6115A

LISTING

<https://aumictechlabs.com/products/6115a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 6115A is a precision DC voltage source delivering 0–50V at 0–0.8A or 50–100V at 0–0.4A with automatic range crossover. Built for calibration, standards work, and laboratory

power supply applications, it combines exceptional output accuracy with low drift and excellent load/line regulation. The instrument features a dual-function voltage/current meter, front-panel overvoltage protection via SCR crowbar, and optional remote programming capability via external voltage, resistance, or HP Multiprogrammer interface. Technical Specifications Output Ratings 0–50V at 0–0.8A 50–100V at 0–0.4A Automatic voltage range crossover above 50V when load current exceeds approximately 0.4A Accuracy & Stability Output voltage accuracy: 0.025% (250 ppm) plus 1 mV Meter accuracy: $\pm 2\%$ full scale (dual-function voltage/current meter) Load regulation: 0.01% + 500 μA Line regulation: 200 μA rms/1 mA p-p across rated line and load conditions Thermal drift: 0.0015% + 200 μV (potentiometer-dependent; potentiometer wiper jump adds up to 10 mV) Remote programming drift: 0.001% + 15 μV plus remote device stability Electrical Characteristics DC output isolation: Floatable to 300V above ground Overvoltage protection: SCR crowbar with front-panel-adjustable trip voltage (0.5V to 10% above rated output; minimum 2% + 0.5V margin) Programming coefficient: 2000/V $\pm$ 0.01% Constant current source operation supported Environmental & Physical Operating temperature: 0–55°C Storage temperature: –40 to +75°C Cooling: Convection (no moving parts) Dimensions: 197 mm W $\times$ 165 mm H $\times$ 337 mm D Weight: 17 lbs (7.7 kg) net; 21 lbs (9.5 kg) shipping Key Features Dual-range output with automatic crossover for flexible test configurations SCR crowbar overvoltage protection with user-adjustable trip threshold Remote programming via external voltage, resistance, or HP Multiprogrammer Constant current source capability Single meter with integrated voltage and current measurement ($\pm 2\%$ FS) Convection-cooled design eliminates maintenance requirements Typical Applications Precision voltage calibration and working standards System reference supplies laboratory power applications Parametric testing and component characterization Compatibility & Integration Remote programming interfaces: HP Multiprogrammer, HP-IB Isolated D/A Power Supply Programmer, external voltage or resistance control. Optional ten-turn output current control (Option 008) and three-digit graduated decadal voltage control (Option 013) available.

6115A Characteristics / Specifications

PARAMETER	VALUE
Output Range Low	0 to 50 V, 0 to 0.8 A
Output Range High	50 to 100 V, 0 to 0.4 A
Total Output Power	40 W
Output Voltage Resolution Class	200 μ V
Output Accuracy After Warm Up	0.025% + 1.0 mV
CV Load Regulation	0.0005% + 100 μ V class
CV Line Regulation	0.0005% + 40 μ V class
CV Ripple Noise Class	40 μ Vrms / 100 μ V p-p family
CC Load Regulation Class	0.01% + 500 μ A family
CC Line Regulation Class	0.005% + 40 μ A family
CC Ripple Noise Class	200 μ Arms / 1 mA p-p family
Warm Up For Rated Accuracy	5 minutes class
Programming Settling Class 6115A	4.5 s class OEM note
AC Line	104 to 127 V or 208 to 254 V, 48 to 440 Hz class
Operating Modes	constant voltage and constant current
Maximum Voltage	100 V
Maximum Current Low Range	0.8 A
Maximum Current High Range	0.4 A
Meter Accuracy Class	+/-2% of full scale
Form Factor	half-rack precision voltage source
Family	HP 6114A/6115A precision sources
Remote Programming Capability	yes family
Overvoltage Protection	yes family
Output Power Class	40 W continuous
CV Ripple Noise Family Detail	40 μ Vrms / 100 μ V p-p to 20 MHz class

6115A Specifications

PARAMETER	VALUE
HP Agilent 6115A Precision Voltage Source	Overview
Key Features	Automatic dual-range 50 V/0.8 A and 100 V/0.4 A output
Technical Specifications	Output Range Low: 0 to 50 V, 0 to 0.8 A

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

From HP 6114A/6115A precision power supply literature. 6115A shares accuracy/regulation class with 6114A; use the dual-range current limits unique to 6115A when verifying performance.

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.