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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6515A DC Power Supply

HP Agilent 6515A High Voltage DC Power Supply 0 to 1600 V The HP/Agilent 6515A is a compact HVB-series bench high-voltage DC supply rated 0 to 1600 V at 0 to 5 mA. OEM HVB series specifications list 0.01 percent + 16 mV load and line regulation, low ripple, floating output, and 100 V step plus vernier control to 100 mV resolution. Photomultiplier, TWT, CRT, gas-flow and proportional-counter tube bias, and bench high-voltage experiments needing moderate current at up to 1600 V. Series-regulator feedback with temperature-compensated zener reference The HP/Agilent 6515A is a compact HVB-series bench high-voltage DC supply rated 0 to 1600 V at 0 to 5 mA. OEM HVB series specifications list 0.01 percent + 16 mV load and line regulation, low ripple, floating output, and 100 V step plus vernier control to 100 mV resolution. Photomultiplier, TWT, CRT, gas-flow and proportional-counter tube bias, and bench high-voltage experiments needing moderate current at up to 1600 V. Series-regulator feedback with temperature-compensated zener reference Floating output for positive or negative polarity up to 1 kV off ground



MODEL

**Agilent / Keysight
6515A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6515A

LISTING

<https://aumictechlabs.com/products/6515a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6515A electrometer is a versatile instrument engineered for precision measurements of low currents and high resistances. Key features include a broad measurement range, exceptional sensitivity, and solid stability. It finds applications in diverse fields such as

materials research, sensor characterization, and quality assurance. The electrometer enables precise characterization of insulators, accurate measurement of sensor outputs, and reliable material resistivity testing. It has selectable integration times. The unit also features a built-in voltage source.

6515A Characteristics / Specifications

PARAMETER	VALUE
Model	6515A
Instrument Type	High voltage DC power supply
Series Family	HP HVB series
Output Voltage Range	0 V to 1600 V
Output Current Range	0 A to 5 mA
Output Power	8 W class at full rating
Ac Input	115 V plus or minus 10 percent 60 Hz
Load Regulation Constant Voltage	0.01 percent + 16 mV
Line Regulation Constant Voltage	0.01 percent + 16 mV for a 10 percent line change
Ripple And Noise Rms	2 mV
Ripple And Noise Peak To Peak	5 mV
Temperature Coefficient Constant Voltage	0.02 percent + 2 mV
Stability Constant Voltage	0.05 percent + 5 mV
Panel Meter Range	0 V to 1800 V
Voltage Control Coarse	100 V steps
Voltage Control Vernier Resolution	100 mV
Output Floating	positive or negative voltages up to 1 kV off ground
Protection	short-circuit protection and current limiting
Circuitry	all solid state
Dimensions HxWxD	3.5 in (8.9 cm) x 8.5 in (21.6 cm) x 11.8125 in (30 cm)
Net Weight	12 lb (5.44 kg)
Shipping Weight	15 lb (6.8 kg)
Sibling Model 6516A Voltage	0 V to 3000 V
Sibling Model 6516A Current	0 A to 6 mA
Form Factor	half-rack bench design

PARAMETER	VALUE
Reference Element	temperature-compensated zener diode
Primary Applications Class	photomultiplier TWT CRT gas flow proportional counter electrophoresis

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 list 0.01 percent + 16 mV load and line regulation, low ripple, floating output, and 100 V step plus vernier control to 100 mV resolution.

Applications

Photomultiplier, TWT, CRT, gas-flow and proportional-counter tube bias, and bench high-voltage experiments needing moderate current at up to 1600 V.

Key Features

Series-regulator feedback with temperature-compensated zener reference

Floating output for positive or negative polarity up to 1 kV off ground

Short-circuit protection and current limiting

100 V steps with intermediate vernier to 100 mV resolution

Solid-state HVB bench architecture

Technical Specifications

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Notes
Numeric rows from HP HVB Series / 6515A product specifications as published on Keysight-class reseller
datasheet summaries (ValueTronics HVB comparison). Sibling 6516A rows are family context only.

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.