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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6116A DC Power Supply

Agilent 6116A Precision DC Power Supply 0 V to 100 V 0 A to 0.2 A The HP 6116A is an STB-series precision CV/current-limiting DC supply. OEM 6101A Operating and Service Manual covers Models 6101A, 6102A, 6106A, 6111A, 6112A, 6113A, and 6116A; this model is rated 0 V to 100 V at 0 A to 0.2 A. Precision bench reference, 0.1 percent calibrator-class programming, and remotely sensed lab DC. Oven-stabilized zener reference on the STB series The HP 6116A is an STB-series precision CV/current-limiting DC supply. OEM 6101A Operating and Service Manual covers Models 6101A, 6102A, 6106A, 6111A, 6112A, 6113A, and 6116A; this model is rated 0 V to 100 V at 0 A to 0.2 A. Precision bench reference, 0.1 percent calibrator-class programming, and remotely sensed lab DC. Oven-stabilized zener reference on the STB series Ten-turn coarse plus fine voltage on 610x; 611x add thumbwheel programming

MODEL **Agilent / Keysight 6116A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **6116A**	LISTING **https://aumictechlabs.com/products/6116a-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6116A is a precision DC power supply delivering 20 W of stable, low-noise output across 0–100 V and 0–200 mA. Built for component testing, circuit design, and quality control, the 6116A operates in both constant voltage and constant current modes with 0.1% output voltage accuracy and excellent line/load regulation. The compact bench-top form factor and remote control interface make it suitable for both standalone operation and system integration in automated test environments.Though obsolete, the 6116A remains available through technical

support and calibration services.Technical Specifications Output power: 20 W Voltage output: 0 to 100 V Current output: 0 to 200 mA Output voltage accuracy: 0.1% Operation modes: CV (Constant Voltage) and CL (Constant Current) Input power: 100/120/220/240 V rms (±5%, −10%); 48 to 440 Hz Maximum input VA: 120 VA Dimensions: 89 mm H × 212.3 mm W × 422 mm D Net weight: 5.9 kg; Shipping weight: 8.0 kgKey Features Excellent regulation and low output noise for repeatable measurements Fast transient response characteristics Remote control input: ±20 V max, 10 kΩ typical input impedance Trigger output: 0/2.4 V typical, 50 Ω output impedance Multi-voltage AC input with wide frequency support (48–440 Hz) Compact bench-top design suitable for laboratory and production environmentsTypical Applications Component and device testing requiring stable DC power Circuit design validation and breadboarding Quality control and burn-in testing Automated test systems requiring remote voltage/current control Research and development in electronicsCompatibility & Integration The 6116A integrates via analog control inputs and trigger outputs, enabling integration into automated test setups. Product status is obsolete; however, technical support and calibration services remain available. The E36231A is listed as a successor product for new applications.

6116A Characteristics / Specifications

PARAMETER	VALUE
Model	6116A
Instrument Type	Precision constant voltage current limiting DC power supply
Series Family	HP STB 6101A 6102A 6106A 6111A 6112A 6113A 6116A
Output Voltage Range	0 V to 100 V
Output Current Range	0 A to 0.2 A
Load Regulation Front Family	less than 0.001 percent plus 600 uV (6101A Table 1-1 family)
Load Regulation Rear Family	less than 0.001 percent plus 100 uV (6101A Table 1-1 family)
Line Regulation Family	less than 0.001 percent output change for any line change within rating (6101A Table 1-1)
Ripple Noise Peak Peak Family	less than 100 uV peak-to-peak (6101A Table 1-1)
Ripple Noise Rms Family	less than 40 uV rms (6101A Table 1-1)
Temperature Coefficient Front Family	less than 0.005 percent plus 30 uV perCafter 30 minute warm-up
Temperature Coefficient Remote Family	less than 0.001 percent plus 10 uV perCafter 30 minute warm-up
Stability 8 h Front Family	less than 0.01 percent plus 300 uV for 8 hours, less than plus or minus 3 C ambient
Stability 8 h Remote Family	less than 0.01 percent plus 100 uV for 8 hours
Stability 1 Month Family	less than 0.012 percent plus 120 uV for one month
Operating Temperature Family	0 C to 50 C
Storage Temperature Family	minus 20 C to +85 C
Transient Recovery 10 mV Family	less than 50 us to within 10 mV after full load current change
Transient Recovery To Spec Family	less than 100 us to within load-regulation specification
Programming Coefficient Family	1000 ohms per volt with 0.1 percent plus 1 mV accuracy (6101A Table 1-1)
Output Impedance Dc To 100 Hz Family	less than 0.002 ohm
Current Limit This Model	0.21 A maximum current-limit test
Load Regulation Test Limit	1.2 mVdc at rated voltage (STB performance-test table)
Line Regulation Test Limit	1 mVdc for 105 to 125 Vac (STB performance-test table)

PARAMETER	VALUE
Remote Program Resistance Rated V	100 kOhm
Meter Voltage Scale Class	0 to 132 V class meter scale
Ac Input Family	105 to 125 / 210 to 250 Vac, 48 to 63 Hz
Size Family	3.5 inHx 8.5 inWx 12.625 inDWeight Family: 10 lb net, 13 lb shipping (6101A Table 1-1)
Floating Voltage Family	up to 300 V off ground
Storage temperature	Family: minus 20 C to +85 C
Operating temperature	Family: 0 C to 50 C

General Specifications & Supplementary Characteristics

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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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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

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