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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6235A DC Power Supply

HP Agilent 6235A Triple Output DC Power Supply The HP/Agilent 6235A is a compact triple-output bench DC power supply combining a 0 to +6 V, 1 A output with dual tracking 0 to plus or minus 18 V, 0.2 A outputs. OEM Operating and Service Manual specifications list load/line regulation, PARD, transient recovery, metering, and environmental limits for serials 1752A-00101 and above. Powering developmental linear and digital IC circuits, dual-rail analog bias with logic rail, and general benchtop multi-rail DC supply use. The HP/Agilent 6235A is a compact triple-output bench DC power supply combining a 0 to +6 V, 1 A output with dual tracking 0 to plus or minus 18 V, 0.2 A outputs. OEM Operating and Service Manual specifications list load/line regulation, PARD, transient recovery, metering, and environmental limits for serials 1752A-00101 and above. Powering developmental linear and digital IC circuits, dual-rail analog bias with logic rail, and general benchtop multi-rail DC supply use. Dual tracking plus or minus 18 V outputs with tracking ratio control



MODEL

**Agilent / Keysight
6235A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6235A

LISTING

<https://aumictechlabs.com/products/6235a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6235A is a triple-output DC power supply engineered for benchtop development and testing of linear and digital integrated circuits. It delivers constant-voltage, current-limited operation across three independent outputs with configurable tracking and series capabilities. The 6235A combines a 0V to +6V output (1A max) with two ± 18 V tracking outputs

(0.2A each), or alternatively stacks the $\pm 18\text{V}$ channels in series for 0V to 36V at 0.2A. Technical Specifications

Output Configuration Output 1: 0V to +6V at 0–1A (6W max) Output 2: 0V to +18V at 0–0.2A (3.6W max) Output 3: 0V to –18V at 0–0.2A (3.6W max) Series Mode: 0V to 36V at 0.2A (Outputs 2 and 3 combined)

Electrical Performance Ripple and noise: <1 mV RMS, <5 mV peak-to-peak (20 Hz to 20 MHz) across all outputs Load transient recovery: <50 μs to within 15 mV of nominal following half/full load transitions Line regulation: <0.1% + 10 mV (dc to 20 Hz) over 8 hours Load regulation: <0.1% + 10 mV (dc to 20 Hz) over 8 hours Short-circuit protection: Auto-limiting at 1.275A $\pm 15\%$ (0V to +6V output); 0.255A $\pm 15\%$ ($\pm 18\text{V}$ outputs)

Power Input 104–127 VAC, 47–63 Hz, single-phase (standard) 240 VAC line voltage option available Maximum input: 35 VA

Physical & Environmental Form factor: Benchtop; compact, impact-resistant stackable case Operating temperature: 0°C to +40°C ambient Humidity: Maximum 95% relative humidity Altitude: Up to 2000 meters

Connections: Front-panel binding posts; isolated common output terminal; rear chassis ground

Key Features Tracking $\pm 18\text{V}$ outputs for dual-rail supply applications Independently adjustable channels with individual current limiting Series/parallel/tracking auto-configuration modes Short-circuit proof design Fast transient response under dynamic loading Low noise suitable for sensitive analog circuits

Typical Applications Developmental and laboratory testing of discrete and integrated circuits; dual-rail analog circuit prototyping; single-rail supplies up to 36V via series connection.

Compatibility & Integration Front-panel binding posts provide direct connection to standard banana plugs and test leads. Common output isolation from chassis ground enables flexible ground referencing schemes.

6235A Characteristics / Specifications

PARAMETER	VALUE
Model	6235A
Instrument Type	Triple output DC power supply
Plus 6 V Output Range	0 V to +6 V
Plus 6 V Rated Current	1 A
Plus 6 V Short Circuit Current	1.275 A plus or minus 15 percent
Tracking Output Range	0 V to plus or minus 18 V each
Tracking Rated Current	0.2 A each
Tracking Short Circuit Current	0.255 A plus or minus 15 percent each
Series Tracking Pair	0 V to 36 V at 0.2 A
Minimum Operating Voltage Each Output	less than or equal to 50 mV
Input Standard	104 to 127 Vac 47 to 63 Hz single phase
Input Option 0	208 to 250 Vac 47 to 63 Hz single phase
Maximum Input Power	35 W at high line full load
Load Regulation Plus 6 V	8 mV for load current change equal to rating
Load Regulation Tracking	10 mV for load current change equal to rating
Line Regulation Plus 6 V	8 mV for any line change within rating
Line Regulation Tracking	15 mV for any line change within rating
Load All Outputs	less than 1 mVrms and 5 mVp-p 20 Hz to 20 MHz
Load Transient Recovery	less than 50 μ s to within 15 mV after full to half load or vice versa
Operating Temperature	0 C to +40 C ambient
Derating Above 40 C	output current derated linearly to 50 percent at 55 C
Storage Temperature	-40 C to +75 C
Meter Range Plus 6 V	0 to 7 V and 0 to 1.2 A
Meter Range Plus 18 V	0 to 21 V and 0 to 0.24 A
Meter Range Minus 18 V	0 to 21 V and 0 to 0.24 A

PARAMETER	VALUE
Voltmeter Accuracy	plus or minus 3 percent of full scale
Ammeter Accuracy	plus or minus 4 percent of full scale
Net Weight	5 lb (2.3 kg)
Shipping Weight	7 lb (3.2 kg)
Tracking Accuracy	remains within 1 percent over 1 to 18 V for any TRACK setting
Temperature Coefficient	less than 0.04 percent + 2 mV perCover 0 to 40 C after 30 minute warm-up
Drift Stability	less than 0.1 percent + 10 mV dc to 20 Hz during 8 hours after 30 minute warm-up
Typical Ripple Supplemental	0.2 mVrms all outputs at 25 C
Fuse 120 Vac	0.4 A slo-blow
Fuse 240 Vac	0.2 A slo-blow

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to +75 C
Operating temperature	0 C to +40 C ambient
Operating Temperature	0 C to +40 C ambient
Model	6235A
Instrument Type	Triple output DC power supply
Plus 6 V Output Range	0 V to +6 V
Plus 6 V Rated Current	1 A
Plus 6 V Short Circuit Current	1.275 A plus or minus 15 percent
Tracking Output Range	0 V to plus or minus 18 V each
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Tracking Short Circuit Current	0.255 A plus or minus 15 percent each
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PARAMETER	VALUE
Meter Range Minus 18 V	0 to 21 V and 0 to 0.24 A
Voltmeter Accuracy	plus or minus 3 percent of full scale
Ammeter Accuracy	plus or minus 4 percent of full scale
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Typical Ripple Supplemental	0.2 mVrms all outputs at 25 C
Fuse 120 Vac	0.4 A slo-blow
Fuse 240 Vac	0.2 A slo-blow Notes From HP 6235A Operating and Service Manual warranted specifications and supplemental characteristics. Tracking accuracy, temperature coefficient, drift, and typical ripple are supplemental/typical where the manual so labels them.

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 load/line regulation, PARD, transient recovery, metering, and environmental limits for serials 1752A-00101 and above.	
Applications	
Powering developmental linear and digital IC circuits, dual-rail analog bias withalogic rail, and general benchtop multi-rail DC supply use.	
Key Features	
Dual tracking plus or minus 18 V outputs with tracking ratio control	
Series use of the tracking pair as 0 to 36 V at 0.2 A	
Shared COM terminal isolated from chassis ground	
Fixed current-limit protection on each output	
Front-panel volt/ammeter with range select	
Technical Specifications	
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PARAMETER	VALUE
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Minimum Operating Voltage Each Output	less than or equal to 50 mV
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Notes

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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

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.