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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E36102B

Agilent Keysight E36102B Programmable DC Power Supply The Keysight E36102B is an E36100B Series single-output programmable bench DC power supply rated 6 V / 5 A / 30 W in a 2U 1/4-rack form factor. OEM E36100B data sheet 5992-2437 lists LAN (LXI Core), USB, OLED display, and low-range current measurement. Compact bench DC bias, automated sequences, and accurate sourcing/measurement within the E36102B voltage and current envelope. Load Regulation Voltage: less than 0.01 percent + 2 mV The Keysight E36102B is an E36100B Series single-output programmable bench DC power supply rated 6 V / 5 A / 30 W in a 2U 1/4-rack form factor. OEM E36100B data sheet 5992-2437 lists LAN (LXI Core), USB, OLED display, and low-range current measurement. Compact bench DC bias, automated sequences, and accurate sourcing/measurement within the E36102B voltage and current envelope. Load Regulation Voltage: less than 0.01 percent + 2 mV Load Regulation Current: less than 0.02 percent + 250 uA



MODEL

**Agilent / Keysight
E36102B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E36102B

LISTING

<https://aumictechlabs.com/products/e36102b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E36102B is a 30 W single-output DC power supply engineered for benchtop test and development environments demanding stable, precise voltage and current control. This compact 2U, 1/4 rack instrument delivers clean power suitable for sensitive circuit characterization while

conserving bench real estate. A high-contrast OLED display and intuitive on-screen menu with rotary knob control enable rapid setup and parameter adjustment. Multiple protection schemes - overvoltage, overcurrent, and overtemperature - safeguard the device under test, while front panel lockout prevents accidental configuration changes during automated test sequences.

Technical Specifications

Output Rating Maximum voltage: 6 V Maximum current: 5 A Maximum power: 30 W

Programming & Regulation Voltage programming accuracy: $\pm(0.05\% + 3 \text{ mV})$ Load regulation (voltage): $\pm(0.01\% \text{ of output} + 2 \text{ mV})$ Load regulation (current): $\pm(0.02\% \text{ of output} + 250 \text{ }\mu\text{A})$ Line regulation (voltage): $\pm(0.01\% \text{ of output} + 1 \text{ mV})$ Line regulation (current): $\pm(0.02\% \text{ of output} + 250 \text{ }\mu\text{A})$

Output Quality Voltage ripple/noise (RMS): 350 μVrms Voltage ripple/noise (peak-to-peak): 8 mV Current ripple (RMS): 2 mA

Transient response: Faster than 50 μs Command processing time: Less than 10 ms

Input Specifications Selectable input voltage: 100 V, 115 V, or 230 V ($\pm 10\%$) AC input frequency: 47 to 63 Hz AC input power: 200 VA

Key Features Output enable/disable switch protects DUT during test transitions High-accuracy low current measurement capability for sensitive loads LAN (LXI Core) and USB (TMC488) connectivity for remote and local control SCPI command set with IVI driver support enables rapid integration into automated test frameworks

Dimensions: Approximately 89 × 106 × 339 mm; weight: 3.7 kg Security slot available for bench restraint

Compatibility & Integration BenchVue software provides graphical control and visualization without requiring programming expertise. Data logging, screen capture, and mobile app support enable remote monitoring and asset tracking. Keysight IO Libraries Suite accelerates driver integration with auto-discovery and instrument-centric programming interfaces.

E36102B Characteristics / Specifications

PARAMETER	VALUE
Model	E36102B
DC Output Voltage	0 to 6 V
DC Output Current	0 to 5 A
DC Output Power	30 W
Load Regulation Voltage	less than 0.01 percent + 2 mV
Load Regulation Current	less than 0.02 percent + 250 uA
Line Regulation Voltage	less than 0.01 percent + 1 mV
Line Regulation Current	less than 0.02 percent + 250 uA
Output Ripple Noise RMS	350 uV (20 Hz to 20 MHz)
Output Ripple Noise Peak To Peak	8 mV
Programming Accuracy Voltage	0.05 percent + 3 mV (12 months, 23 C plus or minus 5 C)
Programming Accuracy Current	0.05 percent + 5 mA
Readback Accuracy Voltage	0.05 percent + 3 mV
Readback Accuracy Current	0.05 percent + 4 mA
Low Range Current Accuracy	0.25 percent + 40 uA (0 to 20 mA)
Load Transient Recovery Time	less than 50 us
Voltage Settling Band	15 mV
Programming Resolution Voltage	360 uV
Programming Resolution Current	300 uA
Readback Resolution Voltage	240 uV
Output Current Noise RMS	2 mA (20 Hz to 20 MHz)
OVP Accuracy Offset	0.20 percent + 0.5 V
Command Processing Time	less than 10 ms
Form Factor	2U 1/4 rack 102 × 106 × 365 mm overall
Net Weight Class	3.7 kg approximate

PARAMETER	VALUE
Remote Interfaces	LAN LXI Core USB 2.0 TMC488
Series Family	E36100B Series
Brand Lineage	Agilent / Keysight

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 Keysight E36100B Series Programmable DC Power Supplies data sheet 5992-2437 model column for E36102B.

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 ·
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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.