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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E36103B

Agilent Keysight E36103B Programmable DC Power Supply The Keysight E36103B is an E36100B Series single-output programmable bench DC power supply rated 20 V / 2 A / 40 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 E36103B voltage and current envelope. Load Regulation Voltage: less than 0.01 percent + 3 mV The Keysight E36103B is an E36100B Series single-output programmable bench DC power supply rated 20 V / 2 A / 40 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 E36103B voltage and current envelope. Load Regulation Voltage: less than 0.01 percent + 3 mV Load Regulation Current: less than 0.02 percent + 100 uA



MODEL

**Agilent / Keysight
E36103B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E36103B

LISTING

<https://aumictechlabs.com/products/e36103b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E36103B is a 40 W single-output DC power supply delivering 0–20 V and 0–2 A with exceptional precision and low noise for laboratory and automated test applications. Housed in a compact 2U, ¼-rack chassis (339 × 106 × 89 mm), it integrates an OLED display and

rotary knob interface for intuitive bench operation while supporting LAN (LXI Core) and USB connectivity for system integration.

Technical Specifications

Output Ratings Voltage: 0–20 V adjustable Current: 0–2 A adjustable Power: 40 W maximum

Electrical Performance Voltage ripple and noise (20 Hz–20 MHz): 0.8 mV rms, 15 mV peak-to-peak Current ripple and noise: 1 mA rms

Programming accuracy: voltage $\pm(0.05\% + 7 \text{ mV})$, current $\pm(0.05\% + 1 \text{ mA})$ **Readback accuracy:** voltage $\pm(0.05\% + 5 \text{ mV})$, current $\pm(0.05\% + 1 \text{ mA})$ **Line regulation (CV/CC):** $<0.01\% + 2 \text{ mV}$ / $<0.01\% + 1 \text{ mA}$ **Load regulation (CV/CC):** $<0.01\% + 2 \text{ mV}$ / $<0.01\% + 1 \text{ mA}$ **Transient response:** faster than 50 μs **Command processing:** $<10 \text{ ms}$ **Current measurement resolution:** 1 μA minimum

Input Specifications Selectable input: 100 VAC, 115 VAC, or 230 VAC Frequency: 47–63 Hz Maximum input power: 200 VA

Key Features High-contrast OLED display with on-screen menu navigation Rotary knob for precise manual adjustments Storage and recall of up to 10 instrument setups Overvoltage, overcurrent, and overtemperature protection Low noise output suitable for sensitive circuit testing

Interfaces & Software USB and LAN (LXI Core) connectivity SCPI and IVI driver programming support BenchVue and web-based control interface

Typical Applications Precision power delivery for component characterization, circuit development, automated test systems, and devices requiring clean, regulated DC power with low ripple noise.

E36103B Characteristics / Specifications

PARAMETER	VALUE
Model	E36103B
DC Output Voltage	0 to 20 V
DC Output Current	0 to 2 A
DC Output Power	40 W
Load Regulation Voltage	less than 0.01 percent + 3 mV
Load Regulation Current	less than 0.02 percent + 100 μ A
Line Regulation Voltage	less than 0.01 percent + 2 mV
Line Regulation Current	less than 0.02 percent + 100 μ A
Output Ripple Noise RMS	0.8 mV (20 Hz to 20 MHz)
Output Ripple Noise Peak To Peak	15 mV
Programming Accuracy Voltage	0.05 percent + 8 mV (12 months, 23 C plus or minus 5 C)
Programming Accuracy Current	0.05 percent + 1 mA
Readback Accuracy Voltage	0.05 percent + 5 mV
Readback Accuracy Current	0.05 percent + 1 mA
Low Range Current Accuracy	0.25 percent + 40 μ A (0 to 8 mA)
Load Transient Recovery Time	less than 50 μ s
Voltage Settling Band	50 mV
Programming Resolution Voltage	1.2 mV
Programming Resolution Current	120 μ A
Readback Resolution Voltage	800 μ V
Output Current Noise RMS	1 mA (20 Hz to 20 MHz)
OVP Accuracy Offset	0.20 percent + 1.5 V
Command Processing Time	less than 10 ms
Form Factor	2U 1/4 rack 102 $\times$ 106 $\times$ 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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Remote Interfaces	LAN LXI Core USB 2.0 TMC488

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Series Family	E36100B Series
Brand Lineage	Agilent / Keysight

Notes
From Keysight E36100B Series Programmable DC Power Supplies data sheet 5992-2437 model column for E36103B.

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 ·
30-day returns
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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.