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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E36103A

Agilent Keysight E36103A Programmable DC Power Supply 20 V 2 A 40 W The Agilent/Keysight E36103A is an E36100 Series 1/4-rack programmable DC power supply rated 20 V / 2 A / 40 W. OEM E36100 datasheets list LAN (LXI Core) and USB, OLED front-panel metering, and low-current measurement. Bench R&D DC bias, automated sequences over LAN/USB, and compact 2U 1/4-rack ATE rails up to 20 V. 2U 1/4 rack form factor with OLED display The Agilent/Keysight E36103A is an E36100 Series 1/4-rack programmable DC power supply rated 20 V / 2 A / 40 W. OEM E36100 datasheets list LAN (LXI Core) and USB, OLED front-panel metering, and low-current measurement. Bench R&D DC bias, automated sequences over LAN/USB, and compact 2U 1/4-rack ATE rails up to 20 V. 2U 1/4 rack form factor with OLED display CV Load Regulation: less than 0.01 percent plus 3 mV

**MODEL****Agilent / Keysight
E36103A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E36103A****LISTING**<https://aumictechlabs.com/products/e36103a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E36103A is a single-output, 40 W DC power supply engineered for benchtop, system integration, and laboratory environments. It delivers programmable voltage and current output with precision readback, triple-layer protection circuitry, and modern instrument connectivity. The unit combines an intuitive front-panel interface with remote programming capability, making it suitable for R&D, production testing, and educational applications requiring

stable, clean power delivery. Technical Specifications Output Ratings (0 to 40 °C): Voltage: 20 V Current: 2 A Power: 40 W Programming Accuracy & Resolution: Voltage accuracy: 0.05% + 7 mV; resolution: 0.001 V Current accuracy: 0.05% + 1 mA; resolution: 0.001 A Readback Accuracy & Resolution: Voltage accuracy: 0.05% + 5 mV; resolution: 0.001 V Current accuracy: 0.05% + 1 mA; resolution: 0.001 A Ripple and Noise (20 Hz to 20 MHz): Voltage RMS: 2 mV; peak-to-peak: 30 mV Current RMS: 1 mA Environmental: Operating temperature: 0 to 40 °C at full rated output; output current derates 1% per °C from 40 °C to 55 °C Key Features Over-voltage, over-current, and over-temperature protection High-contrast OLED display for enhanced visibility 10 stored power supply configurations in non-volatile memory 2U, ¼-rack form factor for space-efficient integration Front-panel control via rotary knob and keypad Connectivity & Integration USB and LAN (LXI Core) interfaces SCPI programming language support IVI driver compatibility Browser-accessible web interface Keysight IO Libraries Suite integration BenchVue app support for remote monitoring and control

E36103A Characteristics / Specifications

PARAMETER	VALUE
Model	E36103A
DC Output Voltage	20 V
DC Output Current	2 A
DC Output Power	40 W
CV Load Regulation	less than 0.01 percent plus 3 mV
CC Load Regulation	less than 0.02 percent plus 100 μ A
CV Line Regulation	less than 0.01 percent plus 2 mV
CC Line Regulation	less than 0.02 percent plus 100 μ A
CV Ripple Noise RMS	2 mV from 20 Hz to 20 MHz
CV Ripple Noise Peak Peak	30 mV from 20 Hz to 20 MHz
CC Ripple Noise RMS	1 mA from 20 Hz to 20 MHz
Voltage Programming Accuracy 12 Month	0.05 percent plus 8 mV at 23 C plus or minus 5 C
Current Programming Accuracy 12 Month	0.05 percent plus 1 mA
Voltage Readback Accuracy 12 Month	0.05 percent plus 5 mV
Current Readback Accuracy 12 Month	0.05 percent plus 1 mA
Small Current Readback Accuracy	0.25 percent plus 40 μ A (0 to 8 mA)
Load Transient Settling Band	50 mV
Load Transient Recovery Time	less than 50 μ s
Voltage Programming Resolution Average	1.2 mV
Current Programming Resolution Average	120 μ A
Voltage Readback Resolution Average	800 μ V
OVP Accuracy	0.20 percent plus 1.5 V
OVP OCP Activation Time	less than 1.5 ms (OVP when trip is 3 V or greater)
Command Processing Time	less than 10 ms

PARAMETER	VALUE
Up Program Full Load	50 ms to within 1 percent of excursion
Down Program Full Load	25 ms
Remote Sense Drop Per Lead	up to 1 V
Remote Interfaces	LAN LXI Core and USB 2.0 FS TMC488
AC Input	100, 115, or 230 V plus or minus 10 percent, 47 to 63 Hz, 200 VA
Form Factor	2U 1/4 rack 98.5 mmHx 106.4 mmWx 367.7 mmDNet Weight: 3.7 kg (8.1 lb) approximate
Operating Temperature	0 C to 40 C
Series Family	Keysight E36100 Series

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Series Family	Keysight E36100 Series Notes From Keysight E36100 Series Programmable DC Power Supplies datasheet 5992-0914EN model column E36103A.

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	
Specifications	
PARAMETER	VALUE
Model	E36103A
DC Output Voltage	20 V
DC Output Current	2 A
DC Output Power	40 W
CV Load Regulation	less than 0.01 percent plus 3 mV
CC Load Regulation	less than 0.02 percent plus 100 uA
CV Line Regulation	less than 0.01 percent plus 2 mV
CC Line Regulation	less than 0.02 percent plus 100 uA
CV Ripple Noise RMS	2 mV from 20 Hz to 20 MHz
CV Ripple Noise Peak Peak	30 mV from 20 Hz to 20 MHz
CC Ripple Noise RMS	1 mA from 20 Hz to 20 MHz
Voltage Programming Accuracy 12 Month	0.05 percent plus 8 mV at 23 C plus or minus 5 C
Current Programming Accuracy 12 Month	0.05 percent plus 1 mA
Voltage Readback Accuracy 12 Month	0.05 percent plus 5 mV
Current Readback Accuracy 12 Month	0.05 percent plus 1 mA
Small Current Readback Accuracy	0.25 percent plus 40 uA (0 to 8 mA)
Load Transient Settling Band	50 mV
Load Transient Recovery Time	less than 50 us
Voltage Programming Resolution Average	1.2 mV
Current Programming Resolution Average	120 uA
Voltage Readback Resolution Average	800 uV
OVP Accuracy	0.20 percent plus 1.5 V
OVP OCP Activation Time	less than 1.5 ms (OVP when trip is 3 V or greater)
Command Processing Time	less than 10 ms
Up Program Full Load	50 ms to within 1 percent of excursion
Down Program Full Load	25 ms

PARAMETER	VALUE
Remote Sense Drop Per Lead	up to 1 V
Remote Interfaces	LAN LXI Core and USB 2.0 FS TMC488
AC Input	100, 115, or 230 V plus or minus 10 percent, 47 to 63 Hz, 200 VA
Form Factor	2U 1/4 rack 98.5 mmHx 106.4 mmWx 367.7 mmDNet Weight: 3.7 kg (8.1 lb) approximate
Operating Temperature	0 C to 40 C
Series Family	Keysight E36100 Series

Notes
From Keysight E36100 Series Programmable DC Power Supplies datasheet 5992-0914EN model column E36103A.

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.