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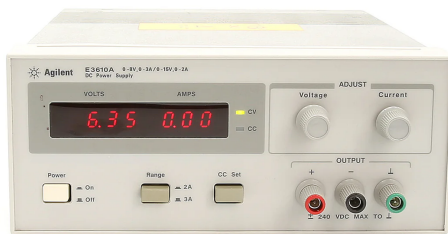
Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E3610A 30W Power Supply, 8V, 3A or 15V, 2A

Agilent HP E3610A Dual-Range Bench DC Power Supply The Agilent E3610A is a compact dual-range single-output bench DC power supply in the E3600 series. OEM ratings are 0 to 8 V / 0 to 3 A or 0 to 15 V / 0 to 2 A within a 30 W envelope, with CV/CC operation, 10-turn controls, and digital metering. Bench bias for developmental linear and digital IC circuits, general laboratory powering of small assemblies, and educational or repair benches needing dual voltage/current ranges without GPIB. Dual output ranges selected by front-panel RANGE pushbutton The Agilent E3610A is a compact dual-range single-output bench DC power supply in the E3600 series. OEM ratings are 0 to 8 V / 0 to 3 A or 0 to 15 V / 0 to 2 A within a 30 W envelope, with CV/CC operation, 10-turn controls, and digital metering. Bench bias for developmental linear and digital IC circuits, general laboratory powering of small assemblies, and educational or repair benches needing dual voltage/current ranges without GPIB. Dual output ranges selected by front-panel RANGE pushbutton Constant voltage and constant current modes



MODEL

**Agilent / Keysight
E3610A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E3610A

LISTING

<https://aumictechlabs.com/products/e3610a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E3610A is a 30 W single-output DC power supply with dual-range capability, delivering either 0–8 Vdc at 0–3 A or 0–15 Vdc at 0–2 A. It operates in both constant voltage (CV) and constant current (CC) modes, making it suitable for general-purpose benchtop circuit development and validation. The unit features 10-turn potentiometers for fine adjustment, independent digital voltmeter and ammeter displays (10 mV and 10 mA resolution respectively), and an output on/off key for convenient control.

Technical Specifications

Electrical Performance

Voltage regulation (load): $< 0.01\% + 2 \text{ mV}$ (CV mode) Current regulation (load): $< 0.01\% + 1 \text{ mA}$ (CC mode) Line regulation: $< 0.01\% + 2 \text{ mV}$ (CV); $< 0.01\% + 1 \text{ mA}$ (CC) across 104–127 Vac input

Ripple and noise: $< 200 \mu\text{V}_{\text{rms}}$, $< 2 \text{ mV}_{\text{pp}}$ (voltage); $< 200 \mu\text{A}_{\text{rms}}$, $< 1 \text{ mA}_{\text{pp}}$ (current) from 20 Hz to 20 MHz Temperature coefficient: $< 0.02\% + 1 \text{ mV per } ^\circ\text{C}$ (voltage); $< 0.02\% + 2 \text{ mA per } ^\circ\text{C}$ (current) Output drift: $< 0.1\% + 5 \text{ mV total}$ (after 30 min warm-up over 8 hours) Transient response: $< 50 \mu\text{sec}$ recovery to within 10 mV following load step changes

Physical & Operating Conditions

Dimensions: 91 mm H $\times$ 213 mm W $\times$ 319 mm D Weight: 3.8 kg net Operating temperature: 0–40 $^\circ\text{C}$ (full output); derated 1% per $^\circ\text{C}$ from 40–55 $^\circ\text{C}$ Cooling: Convection AC input: 104–127 Vac, 47–63 Hz

Key Features

Dual-range output switching between 8 V/3 A and 15 V/2 A Simultaneous independent digital readouts for voltage and current monitoring Precision 10-turn adjustment potentiometers for stable setpoint control Low ripple performance enabling sensitive analog circuit testing CV and CC mode operation for battery charging, load simulation, and component characterization

Typical Applications

Powering and testing analog and digital circuits during development and troubleshooting Supply for low-voltage subsystems and modules Constant current driver for LED arrays and optical devices Load regulation validation for power management circuits

Compatibility & Integration

Standard analog interfaces support voltage and current control and monitoring.

E3610A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
Number of Output Ranges	2
GPIO	No
Range 1 Output	0 to 8 V, 0 to 3 A
Range 2 Output	0 to 15 V, 0 to 2 A
Maximum Power	30 W
Load Regulation Voltage	Less than 0.01% + 2 mV
Load Regulation Current	Less than 0.01% + 1 mA
Line Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Current	Less than 0.01% + 1 mA
Ripple Voltage RMS 20 Hz to 20 MHz	Less than 200 μ V
Ripple Voltage Peak to Peak	Less than 2 mV
Ripple Current RMS	Less than 200 μ A
Ripple Current Peak to Peak	Less than 1 mA
Transient Response Time	Less than 50 μ s to within 10 mV for full to half load
Temperature Coefficient Voltage	Less than 0.02% + 1 mV per $^{\circ}$ C Temperature Coefficient Current: Less than 0.02% + 2 mA per $^{\circ}$ C Output Drift Voltage 8 hours: Less than 0.1% + 5 mV after 30 min warm-up
Output Drift Current 8 hours	Less than 0.1% + 10 mA after 30 min warm-up
Meter Resolution Voltage	10 mV
Meter Resolution Current	10 mA
Isolation	$\hat{A}\pm 240$ Vdc
Operating Temperature Full Output	0 to 40 $^{\circ}$ C
Current Derating Above 40 $^{\circ}$ C	1% per $^{\circ}$ C to 55 $^{\circ}$ C
AC Input Standard	115 Vac $\hat{A}\pm 10\%$, 47 to 63 Hz
AC Input Option 0E	100 Vac $\hat{A}\pm 10\%$, 47 to 63 Hz

PARAMETER	VALUE
Cooling	Convection
Size	213 mmWx 91 mmHx 319 mmDNet Weight: 3.8 kg (8.4 lb)
Shipping Weight	5.1 kg (11.3 lb)
Operating temperature	Full Output: 0 to 40 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Full Output: 0 to 40 C
Operating Temperature	Full Output: 0 to 40 C
Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% perCto 55 C
AC Input Standard	115 Vac Â±10%, 47 to 63 Hz
AC Input Option 0E	100 Vac Â±10%, 47 to 63 Hz
Cooling	Convection
Size	213 mmWx 91 mmHx 319 mmDNet Weight: 3.8 kg (8.4 lb)
Shipping Weight	5.1 kg (11.3 lb) Notes Specs from Agilent E361xA Operating and Service Manual and E3600-series catalog tables for E3610A. Accuracies and ripple are OEM warranted values unless marked typical in source.

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
Number of Outputs	1
Number of Output Ranges	2
GPIB	No
Range 1 Output	0 to 8 V, 0 to 3 A
Range 2 Output	0 to 15 V, 0 to 2 A
Maximum Power	30 W
Load Regulation Voltage	Less than 0.01% + 2 mV
Load Regulation Current	Less than 0.01% + 1 mA
Line Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Current	Less than 0.01% + 1 mA

Ripple Voltage RMS 20 Hz to 20 MHz: Less than 200 uV

Specifications

PARAMETER	VALUE
Ripple Voltage Peak to Peak	Less than 2 mV
Ripple Current RMS	Less than 200 uA
Ripple Current Peak to Peak	Less than 1 mA
Transient Response Time	Less than 50 us to within 10 mV for full to half load
Temperature Coefficient Voltage	Less than 0.02% + 1 mV perCTemperature Coefficient Current: Less than 0.02% + 2 mA perCOutput Drift Voltage 8 hours: Less than 0.1% + 5 mV after 30 min warm-up
Output Drift Current 8 hours	Less than 0.1% + 10 mA after 30 min warm-up

Meter Accuracy 25Â±5 C: Â±0.5% + 2 counts

Specifications

PARAMETER	VALUE
Meter Resolution Voltage	10 mV
Meter Resolution Current	10 mA

PARAMETER	VALUE
Isolation	±240 Vdc
Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% perCto 55 C
AC Input Standard	115 Vac ±10%, 47 to 63 Hz
AC Input Option 0E9	100 Vac ±10%, 47 to 63 Hz
AC Input Option 0E3	230 Vac ±10%, 47 to 63 Hz
Cooling	Convection
Size	213 mmWx 91 mmHx 319 mmDNet Weight: 3.8 kg (8.4 lb)
Shipping Weight	5.1 kg (11.3 lb)

Notes
Specs from Agilent E361xA Operating and Service Manual and E3600-series catalog tables for E3610A. Accuracies and ripple are OEM warranted values unless marked typical in source.

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
NAICS 423690 · 811210 · 541380
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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.