

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 3615A Power Supply

HP Agilent 3615A / E3615A Bench Series DC Power Supply The Agilent 3615A / E3615A is a single-range bench DC power supply in the E3614A–E3617A 60 W family. OEM output is 0 to 20 V, 0 to 3 A (60 W class) with adjustable overvoltage protection, remote sensing, rear outputs, and remote analog voltage/resistance programming. Bench and light ATE bias needing remote sense and OVP, tracking or higher-power stacks of multiple supplies, and lab work where analog remote programming replaces GPIB. Remote analog voltage and resistance programming The Agilent 3615A / E3615A is a single-range bench DC power supply in the E3614A–E3617A 60 W family. OEM output is 0 to 20 V, 0 to 3 A (60 W class) with adjustable overvoltage protection, remote sensing, rear outputs, and remote analog voltage/resistance programming. Bench and light ATE bias needing remote sense and OVP, tracking or higher-power stacks of multiple supplies, and lab work where analog remote programming replaces GPIB. Remote analog voltage and resistance programming Floating outputs isolatable to ± 240 Vdc from ground



MODEL

HP / Agilent 3615A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3615A

LISTING

<https://aumictechlabs.com/products/3615a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 3615A is a 60 W single-output DC power supply engineered for benchtop electronic testing, development, and system integration in laboratory environments. It delivers stable, adjustable DC voltage from 0 to 20 VDC at 0 to 3 A, with dual-mode operation in constant

voltage and constant current. Manual control via 10-turn potentiometers combined with remote analog programming (0–10 V input) and local/remote sensing capabilities makes it suitable for precision applications requiring load-independent stability and dynamic transient response.

Technical Specifications

Output: 0–20 VDC, 0–3 A (60 W max)

Voltage regulation (load & line): $<0.01\% + 2 \text{ mV}$

Current regulation (load & line): $<0.01\% + 250 \text{ }\mu\text{A}$

Ripple and noise (20 Hz–20 MHz): $<200 \text{ }\mu\text{Vrms} / <1 \text{ mVpk-pk}$

Transient recovery: $<50 \text{ }\mu\text{sec}$ to within 15 mV (full-to-half load change)

Output drift (8 h post warm-up): $<0.1\% + 5 \text{ mV}$ (voltage), $<0.1\% + 10 \text{ mA}$ (current)

Meter accuracy: $\pm 0.5\% + 2 \text{ counts}$ ($25 \text{ }^\circ\text{C} \pm 5 \text{ }^\circ\text{C}$)

Voltage resolution: 10 mV (0–20 V range)

Current resolution: 10 mA

Operating temperature: 0–40 $^\circ\text{C}$ (full output); derated 1%/ $^\circ\text{C}$ from 40–55 $^\circ\text{C}$

Dimensions: 88.1 mm H $\times$ 212.3 mm W $\times$ 318.4 mm D

Weight: 3.8 kg

Key Features

- Adjustable current limiting and overvoltage protection safeguard devices under test
- Front and rear output terminals support multiple connection topologies
- Remote sensing compensates for lead-drop voltage losses in long cable runs
- Isolated outputs with 240 VDC float capability; either terminal can be grounded
- Programming linearity: 0.5% for both voltage and current channels

Convection-cooled design requires no forced-air cooling infrastructure

Typical Applications

- Benchtop power conditioning for component characterization, power amplifier biasing, LED and optoelectronic device testing, system power distribution in development environments, and prototype validation where stable, programmable voltage and current sources are essential.

Compatibility & Integration

The 3615A integrates with systems requiring 0–10 V analog control inputs and supports floating output configurations for multi-supply topologies. Local meter displays support manual operation; remote sensing terminals enable voltage regulation at the load terminals, not the supply.

3615A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
Number of Output Ranges	1
GPIO	No
Output Rating	0 to 20 V, 0 to 3 A
Maximum Power	60 W
Load Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Current	Less than 0.01% + 250 μ A
Ripple Voltage RMS 20 Hz to 20 MHz	Less than 200 μ V
Ripple Voltage Peak to Peak	Less than 1 mV
Ripple Current RMS	Less than 2 mA rms
OVP Trip Range	2.5 to 23 V
OVP Margin Above Output	4% of output + 2 V minimum
Remote Analog Programming Input	0 to 10 V for zero to full scale Linearity: 0.5% voltage; 0.5% current
Programming Input Protection	Up to $\pm$ 40 V
Meter Resolution Voltage	10 mV
Meter Resolution Current	10 mA
Transient Response Time	Less than 50 μ s to within 15 mV for full to half load
Isolation	$\pm$ 240 Vdc
Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% per C to 55 C
Cooling	Convection
Size	213 mmWx 91 mmHx 373 mmD Net Weight: 5.5 kg (12.1 lb)
Shipping Weight	6.75 kg (14.9 lb)

PARAMETER	VALUE
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
Cooling	Convection
Size	213 mmWx 91 mmHx 373 mmDNet Weight: 5.5 kg (12.1 lb)
Shipping Weight	6.75 kg (14.9 lb) Notes Specs from Agilent E361xA 60 W Bench Series Operating and Service Manual and E3600-series catalog for 3615A / E3615A.

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	1
GPiB	No
Output Rating	0 to 20 V, 0 to 3 A
Maximum Power	60 W
Load Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Current	Less than 0.01% + 250 uA
Ripple Voltage RMS 20 Hz to 20 MHz: Less than 200 uV	
Specifications	
PARAMETER	VALUE
Ripple Voltage Peak to Peak	Less than 1 mV
Ripple Current RMS	Less than 2 mA rms
OVP Trip Range	2.5 to 23 V
OVP Margin Above Output	4% of output + 2 V minimum
Remote Analog Programming Input	0 to 10 V for zero to full scaleVorIRemote Analog Programming Linearity: 0.5% voltage; 0.5% current
Programming Input Protection	Up to ±40 V
Meter Accuracy 25±5 C: ±(0.5% of output + 2 counts)	
Specifications	
PARAMETER	VALUE
Meter Resolution Voltage	10 mV
Meter Resolution Current	10 mA
Transient Response Time	Less than 50 us to within 15 mV for full to half load
Isolation	±240 Vdc

PARAMETER	VALUE
Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% perCto 55 C
Cooling	Convection
Size	213 mmWx 91 mmHx 373 mmDNet Weight: 5.5 kg (12.1 lb)
Shipping Weight	6.75 kg (14.9 lb)

Notes
Specs from Agilent E361xA 60 W Bench Series Operating and Service Manual and E3600-series catalog for 3615A / E3615A.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.