

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 6, 2026

KEITHLEY

Keithley 230 Programmable Voltage Source

The Keithley 230 is a programmable four-quadrant voltage source with remote sensing, GPIB, and 100-step program memory (dwell 3 ms to 999.9 s). Ranges: ± 199.9 mV, ± 1.9995 V, ± 19.995 V, ± 101.00 V. Current capability to ± 100 mA with selectable I-limit (± 2 / ± 20 / ± 100 mA class). External trigger in/out; TTL digital I/O. Automated voltage stimulus; waveform fabrication via memory steps; device bias; systems source with DMM. Instrument Type: Programmable Voltage Source Prefer Keithley 230 instruction manual 230-901. Avoid false catalog matches on bare "230".



MODEL

Keithley 230

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

230

LISTING

<https://aumictechlabs.com/products/230-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 230 Programmable Voltage Source delivers precision DC voltage generation for automated test equipment, semiconductor characterization, and materials research. Its output range spans ± 50 μ V to ± 101 VDC across four selectable ranges with up to 4½-digit resolution. The instrument accommodates complex test sequences through 100 programmable memory locations with dwell times from 3 ms to 999.9 s, each with $\pm(0.05\% + 200 \mu\text{s})$ accuracy. Selectable current limits of ± 2 mA, ± 20 mA, and ± 100 mA provide load protection with ≈ 3 ms transient recovery time. IEEE-488 GPIB control integrates directly into laboratory systems, while TTL-compatible external trigger inputs and outputs synchronize multi-instrument test setups. Four TTL I/O lines and rear-panel selectable remote or local sensing accommodate distributed measurement

architectures. Output voltage accuracy reaches $\pm 0.05\% + 50 \text{ mV}$ on the 100 V range, with temperature stability of $0.005\% + 0.5 \text{ mV per } ^\circ\text{C}$. Noise performance holds $150 \text{ }\mu\text{V} + 50 \text{ ppm}$ of range (0.1 Hz to 300 Hz) under local sensing. Response time to 0.1% of commanded changes occurs within 3 ms. Five-way binding posts provide isolated output, sense, and ground connections. Operating from 105–250 V AC (50/60 Hz), the unit consumes 60 W maximum.

Features & description

From manufacturer datasheet

Features

- Voltage ranges: ± 199.9 mV (50 μ V); ± 1.9995 V (500 μ V); ± 19.995 V (5 mV); ± 101.00 V (50 mV) • Accuracy: $\sim 0.05\%$ + one step (100 V range class); tighter/looser by range • Current: ± 100 mA; programmable I-limit • Remote sensing • Memory: 100 locations; dwell 3 ms–999.9 s • Modes: single, continuous, step with external trigger • GPIB standard; 4 TTL in / 4 TTL out • Display: 4½-digit mantissa + signed exponent LED • Power: ~ 60 W / 80 VA max

230 Characteristics / Specifications

PARAMETER	VALUE
Model	230
Manufacturer	Keithley Instruments
Instrument Type	Programmable Voltage Source
Alias	230; Keithley 230 Output ± 101 V max; ± 100 mA; remote sense; GPIB Operational Notes Prefer Keithley 230 instruction manual 230-901. Avoid false catalog matches on bare "230".
Voltage ranges	± 199.9 mV (50 μ V); ± 1.9995 V (500 μ V); ± 19.995 V (5 mV); ± 101.00 V (50 mV)
Accuracy	$\sim 0.05\%$ + one step (100 V range class); tighter/looser by range
Current	± 100 mA; programmable I-limit
Memory	100 locations; dwell 3 ms–999.9 s
Modes	single, continuous, step with external trigger
Display	4½-digit mantissa + signed exponent LED
Power	~ 60 W / 80 VA max

230 Specifications

PARAMETER	VALUE
Keithley 230 Programmable Voltage Source	Overview
Key Features	- Voltage ranges: $\pm 199.9\text{ mV}$ ($50\text{ }\mu\text{V}$); $\pm 1.9995\text{ V}$ ($500\text{ }\mu\text{V}$); $\pm 19.995\text{ V}$ (5 mV); $\pm 101.00\text{ V}$ (50 mV)
Technical Specifications	Model: 230
Output	$\pm 101\text{ V}$ max; $\pm 100\text{ mA}$; remote sense; GPIB
Operational Notes	Prefer Keithley 230 instruction manual 230-901. Avoid false catalog matches on bare "230".

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	230
Manufacturer	Keithley Instruments
Instrument Type	Programmable Voltage Source
Alias	230; Keithley 230

Output

±101 V max; ±100 mA; remote sense; GPIB

Operational Notes

Prefer Keithley 230 instruction manual 230-901. Avoid false catalog matches on bare “230”.

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