

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KEITHLEY

Keithley 2200-30-1

The Keithley 2200-30-1 is a single-channel, programmable DC power supply that delivers up to 30V and 1A. It features a linear regulation design for low noise and high stability, making it suitable for sensitive electronic testing and measurement applications. The supply includes over-voltage and over-current protection to safeguard connected devices.



MODEL

Keithley 2200-30-1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2200-30-1

LISTING

<https://aumictechlabs.com/products/2200-30-1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 2200-30-1 is a single-channel programmable DC power supply delivering precise, low-noise power for demanding test and measurement applications. Linear regulation ensures high stability and accurate voltage delivery to sensitive electronic components. The unit operates across a 0 to 30 V output range with 1 mV resolution and $\pm 0.03\% + 3 \text{ mV}$ setting accuracy. Current output spans 0 to 1.5 A at 1 mA resolution with $\pm 0.1\% + 5 \text{ mA}$ accuracy. Maximum power output reaches 90 W. Load and line regulation remain below $0.01\% + 3 \text{ mV}$ for voltage, with output ripple and noise suppressed to less than 3 mVp-p across 20 Hz to 7 MHz. Remote sensing compensates for lead drops, ensuring accurate voltage at the load terminals. Programmable over-voltage and over-current protection safeguard connected devices. Technical Specifications
Output: 0–30 V DC, 0–1.5 A maximum Voltage setting resolution: 1 mV Voltage setting accuracy: $\pm 0.03\% + 3 \text{ mV}$ Voltage readback accuracy: $\pm 0.03\% + 10 \text{ mV}$ Current setting resolution: 1 mA

Current setting accuracy: $\pm 0.1\% + 5 \text{ mA}$ Current readback accuracy: $\pm 0.1\% + 5 \text{ mA}$ Load regulation (voltage): $< 0.01\% + 3 \text{ mV}$ Line regulation (voltage): $< 0.01\% + 3 \text{ mV}$ Load regulation (current): $< 0.01\% + 3 \text{ mA}$ Line regulation (current): $< 0.1\% + 3 \text{ mA}$ Output ripple and noise: $< 3 \text{ mVp-p}$ (20 Hz to 7 MHz) Maximum power: 90 W Input: 110 VAC or 220 VAC selectable, 50/60 Hz Floating output rating: up to 100 V (DC + peak AC) to earth ground Key Features Dual-line vacuum fluorescent display showing programmed and actual values 30–40 setup memories for rapid configuration recall List mode supports up to 7 lists with 80 steps each - each step includes voltage, current limit, and duration Remote sensing capability for compensated voltage delivery Programmable over-voltage and over-current protection Compact form factor: 241.8 mm $\times$ 384.0 mm $\times$ 105.3 mm; 8.2 kg Compatibility & Integration USB Device (Type B, USBTMC compatible) GPIB (IEEE-488.2) available on "G" series versions LabVIEW and IVI drivers SCPI command support for automated control KickStart Software compatibility

Features & description

From manufacturer datasheet

Features

- Two fully isolated, independently enabled channels

220030 Characteristics / Specifications

PARAMETER	VALUE
Model	2220-30-1 (listings: 2200-30-1)
Manufacturer	Keithley / Tektronix
Instrument Type	Dual channel programmable DC power supply
Alias	2220-30-1; 2220G-30-1; 2200-30-1
Channel count	2 isolated outputs
Voltage per channel	0 to 30 V
Current per channel	0 to 1.5 A
Power per 30 V channel	45 W
Maximum total power	90 W
Voltage setting resolution	1 mV
Current setting resolution	1 mA
Voltage reading resolution	1 mV
Current reading resolution	1 mA
Basic voltage accuracy	0.03% class with remote sense
Basic current accuracy	0.1% class
Ripple	less than 3 mV peak to peak (linear regulation, family)
Remote sense	per channel
Channel isolation	independent isolated outputs
Series combine	up to 60 V at 1.5 A
Parallel combine	up to 3 A at 30 V
Interfaces USB	USB standard on 2220-30-1
Interfaces GPIB	GPIB added on 2220G-30-1
AC input	switchable 120 VAC or 240 VAC nominal (non J); J versions 100 VAC
Line frequency	50/60 Hz
Power consumption	350 VA (dual channel versions)

PARAMETER	VALUE
Related triple output	2230-30-1 / 2230G-30-1 add 6 V / 5 A / 30 W channel (120 W total)
Not this model	2200-30-5 single 30 V / 5 A / 150 W
Operating	bench/ATE multi-rail DC source
Form	compact multi-channel Series 2200 chassis Notes OEM identity is 2220-30-1 / 2220G-30-1 in Keithley Series 2200 multi-channel literature. Confirm GPIB (G suffix) and do not quote 2200-30-5 single-output ratings. Specs from Keithley 2220/2230 multi-channel programmable DC power supplies data sheet.

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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Specifications

PARAMETER	VALUE
Power consumption	350 VA (dual channel versions)
Related triple output	2230-30-1 / 2230G-30-1 add 6 V / 5 A / 30 W channel (120 W total)
Not this model	2200-30-5 single 30 V / 5 A / 150 W

Operating: bench/ATE multi-rail DC source

Form: compact multi-channel Series 2200 chassis

Notes

OEM identity is 2220-30-1 / 2220G-30-1 in Keithley Series 2200 multi-channel literature. Confirm GPIB (G suffix) and do not quote 2200-30-5 single-output ratings. Specs from Keithley 2220/2230 multi-channel programmable DC power supplies data sheet.

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 ·
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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.