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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2220-30-1

Applications Dual-rail analog/digital bench power USB automated 30 V / 1.5 A pairs Bipolar tracking ATE without third logic rail Key Features Two isolated 30 V / 1.5 A channels USB on 2220-30-1; GPIB on 2220G-30-1 Tracking mode Remote sense per channel Linear low-noise regulation Technical Specifications Model: 2220-30-1 Manufacturer: Keithley Instruments (Tektronix) Instrument Type: Dual channel programmable DC power supply Alias: 2220-30-1; 2220301 Channel Count: 2 Channel Voltage: 0 to 30 V each Channel Current: 0 to 1.5 A each Maximum Power: 90 W class Voltage Setting Resolution: 1 mV Current Setting Resolution: 1 mA Voltage Setting Accuracy: plus/minus 0.03 percent plus 10 mV class Current Setting Accuracy: plus/minus 0.1 percent plus 5 mA class Load Regulation Voltage: less than 0.



MODEL

Keithley 2220-30-1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2220-30-1

LISTING

<https://aumictechlabs.com/products/2220-30-1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 2220-30-1 is a dual-channel programmable DC power supply engineered for benchtop and automated test applications. Each of its two independent, galvanically isolated channels delivers 0–30 V at 0–1.5 A, with 90 W maximum total power output. Linear regulation provides exceptional stability: voltage ripple and noise measure below 1 mV rms (3 mV peak-to-peak) and current ripple stays under 5 mA rms. Voltage setting and readback accuracy reach $\pm 0.03\%$ + 10 mV with 1 mV resolution; current accuracy is $\pm 0.1\%$ + 5 mA with 1 mA resolution.

Load and line regulation remain tighter than $0.01\% + 3 \text{ mV}$ for voltage across its operating range. Technical Specifications Output: 0–30 V, 0–1.5 A per channel; 90 W total maximum power Voltage accuracy (setting/readback): $\pm 0.03\% + 10 \text{ mV}$ Current accuracy (setting/readback): $\pm 0.1\% + 5 \text{ mA}$ Resolution: 1 mV voltage, 1 mA current Load regulation: $<0.01\% + 3 \text{ mV}$ (voltage), $<0.01\% + 3 \text{ mA}$ (current) Line regulation: $<0.01\% + 3 \text{ mV}$ (voltage), $<0.1\% + 3 \text{ mA}$ (current) Noise/ripple: $<1 \text{ mV rms}$ / $<3 \text{ mV p-p}$ (voltage); $<5 \text{ mA rms}$ (current) Response time: $<150 \text{ ms}$ to within 75 mV (1 V to 11 V into 10Ω load) Remote sensing on all channels Dimensions: 105.3 mm H $\times$ 241.8 mm W $\times$ 384.0 mm D Weight: 8.2 kg Key Features Independent channel control with isolated outputs - ideal for testing circuits with different ground references or optical isolation requirements Series combination enables 0–60 V at 1.5 A; parallel configuration achieves 0–30 V at 3 A Tracking mode maintains a user-defined voltage ratio between channels Bipolar output capability ($\pm 30 \text{ V}$) Overvoltage and overcurrent protection Typical Applications Multidevice test benches requiring independent power rails Characterization of isolated analog and digital circuits Development and validation of power management circuits Educational and R&D laboratories demanding precision and flexibility Compatibility & Integration Remote sensing terminals on each channel compensate for supply-lead voltage drops, ensuring accurate voltage delivery regardless of load distance. Independent on/off control and isolated architecture support complex test topologies without additional isolation hardware.

222030 Characteristics / Specifications

PARAMETER	VALUE
Model	2220-30-1
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	Dual channel programmable DC power supply
Alias	2220-30-1; 2220301
Channel Count	2
Channel Voltage	0 to 30 V each
Channel Current	0 to 1.5 A each
Maximum Power	90 W class
Voltage Setting Resolution	1 mV
Current Setting Resolution	1 mA
Voltage Setting Accuracy	plus/minus 0.03 percent plus 10 mV class
Current Setting Accuracy	plus/minus 0.1 percent plus 5 mA class
Load Regulation Voltage	less than 0.01 percent plus 3 mV
Load Regulation Current	less than 0.01 percent plus 3 mA
Line Regulation Voltage	less than 0.01 percent plus 3 mV class
Ripple Voltage RMS	less than 1 mVrms class
Ripple Voltage PP	less than 3 mV p-p class
Remote Sense	per channel
Remote Interface Standard	USB
Related GPIB SKU	2220G-30-1
Related Triple	2230-30-1 (adds 0 to 6 V / 0 to 5 A)
Isolation	isolated channels
Tracking	supported
Regulation	linear
Form Factor	2U half rack class

PARAMETER	VALUE
Line Input	110/220 Vac selectable class Notes Specs from Keithley Series 2220/2230 multi-channel programmable DC power supplies datasheet (2220-30-1: two 30 V / 1.5 A channels). Confirm 2220 versus 2220G (GPIB) and versus 2230-30-1 triple.

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	2220-30-1
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	Dual channel programmable DC power supply
Specifications	
PARAMETER	VALUE
Alias	2220-30-1; 2220301
Channel Count	2
Channel Voltage	0 to 30 V each
Specifications	
PARAMETER	VALUE
Channel Current	0 to 1.5 A each
Maximum Power	90 W class
Voltage Setting Resolution	1 mV
Specifications	
PARAMETER	VALUE
Current Setting Resolution	1 mA
Voltage Setting Accuracy	plus/minus 0.03 percent plus 10 mV class
Current Setting Accuracy	plus/minus 0.1 percent plus 5 mA class
Specifications	
PARAMETER	VALUE
Load Regulation Voltage	less than 0.01 percent plus 3 mV
Load Regulation Current	less than 0.01 percent plus 3 mA
Line Regulation Voltage	less than 0.01 percent plus 3 mV class

Specifications

PARAMETER	VALUE
Ripple Voltage RMS	less than 1 mVrms class
Ripple Voltage PP	less than 3 mV p-p class
Remote Sense	per channel

Specifications

PARAMETER	VALUE
Remote Interface Standard	USB
Related GPIB SKU	2220G-30-1
Related Triple	2230-30-1 (adds 0 to 6 V / 0 to 5 A)

Specifications

PARAMETER	VALUE
Isolation	isolated channels
Tracking	supported
Regulation	linear

Form Factor: 2U half rack class

Line Input: 110/220 Vac selectable class

Notes

Specs from Keithley Series 2220/2230 multi-channel programmable DC power supplies datasheet (2220-30-1: two 30 V / 1.5 A channels). Confirm 2220 versus 2220G (GPIB) and versus 2230-30-1 triple.

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.