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Data Sheet
August 2, 2026

KEITHLEY

Keithley 2200-30-5 – Power Supply, 30 Volts, 5 Amps

Keithley 2200-30-5 – Power Supply, 30 Volts, 5 Amps The 2200305 providesasingle-output programmable DC power supply designed for 0 to 30 V, 0 to 5 A operation (150 W) with low ripple, 1 mV / 0.1 mA setting resolution, remote sense, and USB plus GPIB remote control for bench and automated test. Automated bench and rack DC power in ATE; device characterization requiring up to 30 V / 5 A; idle and sleep-mode current measurement at 0.1 mA resolution; remote programming over USB-TMC or GPIB; general-purpose lab power for portable and low-power electronics. The 2200305 providesasingle-output programmable DC power supply designed for 0 to 30 V, 0 to 5 A operation (150 W) with low ripple, 1 mV / 0.1 mA setting resolution, remote sense, and USB plus GPIB remote control for bench and automated test. Automated bench and rack DC power in ATE; device characterization requiring up to 30 V / 5 A; idle and sleep-mode current measurement at 0.1 mA resolution; remote programming over USB-TMC or GPIB; general-purpose lab power for portable and low-power electronics.

MODEL Keithley 2200-30-5	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 2200-30-5	LISTING https://aumictechlabs.com/products/2200-30-5-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 2200-30-5 is a single-channel programmable DC power supply delivering up to 30 V and 5 A (150 W maximum) for research, development, and production testing. It combines precision voltage and current control with dual-display readout, programmable protection, and dual-interface remote operation via GPIB and USB.Technical Specifications Electrical Performance Output: 30 V maximum, 5 A maximum, 150 W maximum power Voltage accuracy: 0.03% setting, 0.02% readback Current accuracy: 0.05% setting and readback Resolution: 1 mV voltage, 0.1 mA current Ripple and noise: <5 mVp-p Constant voltage and constant current operation supported Input: 110 V ac (99–132 VRMS) or 220 V ac (198–264 VRMS), 50/60 Hz Power consumption: 350 VA Programming and Memory List mode: Seven lists, up to 80 steps each, with voltage, current limits, and optional duration Setup memories: 40 stored configurations Direct entry keypad for manual voltage and current setting Rotary knob with adjustable step size Front panel lock-out available Protection and Control Programmable over-voltage protection (OVP) Programmable over-current protection Remote sensing via rear panel connections to compensate for lead voltage drops Interfaces and Display GPIB (IEEE-488.2 compliant) and USB (TMC-compliant, SCPI command syntax) Multifunction TTL input (trigger, output control, or digital input) Multifunction TTL output (fault indication or digital output) Dual-line vacuum fluorescent display showing programmed and actual output values simultaneously Physical Dimensions: 9.52 in × 4.15 in × 15.12 in with boot (242 × 106 × 384 mm) Weight: 7.3 kg (16.09 lbs); shipping weight 9.6 kg (21.16 lbs) Bench-top mountingKey Features Selectable AC input voltage (110 V or 220 V) with wide acceptance range Dual-line VFD for simultaneous display of setpoint and actual values List sequencing for automated multi-step test routines Rear-panel remote sensing for accurate voltage delivery to remote loads TTL interface options for system integration and fault monitoring Bench-top form factor suitable for lab and production environmentsTypical Applications Device characterization, circuit development, battery simulation, component stress testing, and automated production test sequences requiring precise voltage and current sourcing with repeatable control.Compatibility & Integration Standard GPIB and USB interfaces enable integration into ATE systems and manual SCPI-based control. Multifunction TTL lines support trigger coordination and status signaling in test racks.

Features & description

From manufacturer datasheet

Features

• Single-output programmable DC supply: 0 to 30 V, 0 to 5 A • Maximum power 150 W • Setting resolution 1 mV / 0.1 mA • Setting accuracy: voltage ±(0.03% + 3 mV); current ±(0.05% + 2.5 mA) (25°C ±5°C, remote sense) • Low ripple and noise (<1 mVRMS / <4 mVPP voltage class) • Remote sense • Dual-line display of programmed and measured values • USB and GPIB remote interfaces • Overvoltage protection

220030 Characteristics / Specifications

PARAMETER	VALUE
Model	2200-30-5 (2200305)
Manufacturer	Keithley (Tektronix)
Instrument Type	Programmable DC Power Supply
Output Configuration	Single output
Voltage Range	0 to 30 V
Current Range	0 to 5 A
Maximum Power	150 W
Voltage Setting Resolution	1 mV
Current Setting Resolution	0.1 mA
Voltage Setting Accuracy	±(0.03% + 3 mV)
Current Setting Accuracy	±(0.05% + 2.5 mA)
Load Regulation (Voltage)	<0.01% + 2 mV
Ripple and Noise (Voltage)	<1 mVRMS / <4 mVPP (20 Hz to 7 MHz)
Remote Interfaces	USB; GPIB
Remote Sense	Supported
Related Series	Keithley 2200 family (distinct from 2200-30-1)
Alias	2200305 / 2200-30-5 Standard Operating Conditions Configure line input per rear-panel selection. Use remote sense for accurate regulation at the load. Observe 150 W envelope and OVP settings before high-current operation.
Single-output programmable DC supply	0 to 30 V, 0 to 5 A
Setting accuracy	voltage ±(0.03% + 3 mV); current ±(0.05% + 2.5 mA) (25°C ±5°C, remote sense)

220030 Specifications

PARAMETER	VALUE
Key Features	- Single-output programmable DC supply: 0 to 30 V, 0 to 5 A
Technical Specifications	Model: 2200-30-5 (2200305)
Operational Notes	Confirm suffix 2200-30-5 (30 V / 5 A / 150 W)—not 2200-30-1 or other 2200 voltage/current ratings. Alias 2200305 / 2200-30-5.

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	2200-30-5 (2200305)
Manufacturer	Keithley (Tektronix)
Instrument Type	Programmable DC Power Supply
Output Configuration	Single output
Voltage Range	0 to 30 V
Current Range	0 to 5 A
Maximum Power	150 W
Voltage Setting Resolution	1 mV
Current Setting Resolution	0.1 mA
Voltage Setting Accuracy	±(0.03% + 3 mV)
Current Setting Accuracy	±(0.05% + 2.5 mA)
Load Regulation (Voltage)	<0.01% + 2 mV
Ripple and Noise (Voltage)	<1 mVRMS / <4 mVPP (20 Hz to 7 MHz)
Remote Interfaces	USB; GPIB
Remote Sense	Supported
Related Series	Keithley 2200 family (distinct from 2200-30-1)
Alias	2200305 / 2200-30-5

Standard Operating Conditions
Configure line input per rear-panel selection. Use remote sense for accurate regulation at the load. Observe 150 W envelope and OVP settings before high-current operation.

Operational Notes
Confirm suffix 2200-30-5 (30 V / 5 A / 150 W)—not 2200-30-1 or other 2200 voltage/current ratings. Alias 2200305 / 2200-30-5.

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

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