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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2200-20-5 " Power Supply, 20 Volts, 5 Amps

Key Features - Linear regulation for low ripple versus switch-mode 2260B family - Dual-line display of programmed and measured values - Remote sense for load-end regulation - List mode sequencing without a PC per step - Overvoltage protection - USB and GPIB; only one remote interface controls the unit at a time

Technical Specifications Model: 2200-20-5
Manufacturer: Keithley / Tektronix Instrument Type: Single channel programmable DC power supply
Alias: 2200205; 2200-20-5 Voltage range: 0 to 20 V Current range: 0 to 5 A Maximum power: 100 W Load regulation voltage: less than 0.01% + 2 mV Load regulation current: less than 0.05% + 0.1 mA Line regulation voltage: less than 0.01% + 1 mV Line regulation current: less than 0.05% + 0.



MODEL

Keithley 2200-20-5

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2200-20-5

LISTING

<https://aumictechlabs.com/products/2200-20-5-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 2200-20-5 is a single-channel programmable DC power supply delivering 0–20 V and 0–5 A with 100 W maximum output. Built for precision voltage and current sourcing in benchtop and automated test environments, it combines low ripple noise performance with fast transient response and versatile programmability. The instrument excels in component

characterization, circuit validation, and stress testing applications where stable, accurately controlled power is essential. Technical Specifications Electrical Performance Output voltage range: 0 to 20 V Output current range: 0 to 5 A Maximum power output: 100 W Voltage output accuracy: 0.03% Voltage readback accuracy: 0.02% Current output accuracy: 0.05% Voltage setting resolution: 1 mV Current setting resolution: 0.1 mA Voltage ripple and noise (20 Hz to 7 MHz): < 1 mVRMS Current ripple and noise (20 Hz to 7 MHz): < 3 mARMS Load regulation (voltage): < 0.01% + 1 mV Load regulation (current): < 0.05% + 0.1 mA Line regulation (voltage): < 0.01% + 2 mV Line regulation (current): < 0.05% + 2 mA Setting change time: < 35 ms rising/falling Load change response time: < 400 μ s Constant current/constant voltage operation: Yes Input Specifications Supply voltage range: 99–264 VAC Frequency: 50/60 Hz Power consumption: 250 VA Key Features Dual-line display shows programmed and actual output values simultaneously List mode supports up to 80 repeatable test sequence steps 40 setup memories for configuration storage Remote sensing compensates for voltage drops across supply leads Multifunction TTL input and output for external control integration Typical Applications Component and circuit characterization, device stress testing, power source integration into automated test systems, benchtop power delivery for R&D environments. Compatibility & Integration Interfaces: GPIB, USB Rear Panel: Remote sense terminals, multifunction TTL input/output Dimensions: 4.15 in. H $\times$ 9.52 in. W $\times$ 15.12 in. D (with boot); 3.57 in. H $\times$ 8.55 in. W $\times$ 14.24 in. D (without boot) Weight: 16.09 lbs (7.3 kg) Operating Temperature: 0°C to +40°C

Features & description

From manufacturer datasheet

Features

- Linear regulation for low ripple versus switch-mode 2260B family

220020 Characteristics / Specifications

PARAMETER	VALUE
Model	2200-20-5
Manufacturer	Keithley / Tektronix
Instrument Type	Single channel programmable DC power supply
Alias	2200205; 2200-20-5
Voltage range	0 to 20 V
Current range	0 to 5 A
Maximum power	100 W
Load regulation voltage	less than 0.01% + 2 mV
Load regulation current	less than 0.05% + 0.1 mA
Line regulation voltage	less than 0.01% + 1 mV
Line regulation current	less than 0.05% + 0.1 mA
Ripple and noise voltage	less than 1 mV RMS / less than 3 mV peak to peak (20 Hz to 7 MHz)
Setting resolution voltage	1 mV
Setting resolution current	0.1 mA
Setting accuracy voltage	$\pm(0.03\% + 3 \text{ mV})$ remote sense, 25 C ± 5 C
Setting accuracy current	$\pm(0.05\% + 2 \text{ mA})$ remote sense, 25 C ± 5 C
Readback resolution voltage	1 mV
Readback resolution current	0.1 mA
Readback accuracy voltage	$\pm(0.02\% + 3 \text{ mV})$
Readback accuracy current	$\pm(0.05\% + 2 \text{ mA})$
Load transient settling	less than 40 μ s class following a 0.1 A to full-load class step (family)
Setup memories	40
List mode	up to 7 lists, 80 steps each
Power consumption	250 VA
Line	50/60 Hz; 110/220 class rear selection

PARAMETER	VALUE
Interfaces	USB 2.0 TypeBUSBTMC; GPIB IEEE-488.2
Remote sense	supported
Display	vacuum fluorescent dual line
Operating temperature	0 C to 40 C
Dimensions	4.17 in × 9.53 in × 15.12 in class (family)
Related models	2200-30-5 (30 V / 5 A / 150 W); 2200-32-3; 2200-60-2; 2200-72-1 Notes Specs from Keithley Series 2200 programmable DC power supplies specifications (SPEC-2200). Confirm 2200-20-5 (20 V / 5 A / 100 W) versus 2200-30-5. Default GPIB address is 22 on family literature.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Dimensions	4.17 in × 9.53 in × 15.12 in class (family)
Related models	2200-30-5 (30 V / 5 A / 150 W); 2200-32-3; 2200-60-2; 2200-72-1 Notes Specs from Keithley Series 2200 programmable DC power supplies specifications (SPEC-2200). Confirm 2200-20-5 (20 V / 5 A / 100 W) versus 2200-30-5. Default GPIB address is 22 on family literature.

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	2200-20-5
Manufacturer	Keithley / Tektronix
Instrument Type	Single channel programmable DC power supply
Specifications	
PARAMETER	VALUE
Alias	2200205; 2200-20-5
Voltage range	0 to 20 V
Current range	0 to 5 A
Specifications	
PARAMETER	VALUE
Maximum power	100 W
Load regulation voltage	less than 0.01% + 2 mV
Load regulation current	less than 0.05% + 0.1 mA
Specifications	
PARAMETER	VALUE
Line regulation voltage	less than 0.01% + 1 mV
Line regulation current	less than 0.05% + 0.1 mA
Ripple and noise voltage	less than 1 mV RMS / less than 3 mV peak to peak (20 Hz to 7 MHz)
Specifications	
PARAMETER	VALUE
Setting resolution voltage	1 mV
Setting resolution current	0.1 mA
Setting accuracy voltage	±(0.03% + 3 mV) remote sense, 25 C ±5 C

Specifications

PARAMETER	VALUE
Setting accuracy current	$\pm(0.05\% + 2 \text{ mA})$ remote sense, 25 C ± 5 C
Readback resolution voltage	1 mV
Readback resolution current	0.1 mA

Specifications

PARAMETER	VALUE
Readback accuracy voltage	$\pm(0.02\% + 3 \text{ mV})$
Readback accuracy current	$\pm(0.05\% + 2 \text{ mA})$
Load transient settling	less than 40 μ s class following a 0.1 A to full-load class step (family)

Specifications

PARAMETER	VALUE
Setup memories	40
List mode	up to 7 lists, 80 steps each
Power consumption	250 VA

Specifications

PARAMETER	VALUE
Line	50/60 Hz; 110/220 class rear selection
Interfaces	USB 2.0 TypeBUSBTMC; GPIB IEEE-488.2
Remote sense	supported

Specifications

PARAMETER	VALUE
Display	vacuum fluorescent dual line
Operating temperature	0 C to 40 C
Dimensions	4.17 in $\times$ 9.53 in $\times$ 15.12 in class (family)

Related models: 2200-30-5 (30 V / 5 A / 150 W); 2200-32-3; 2200-60-2; 2200-72-1

Notes

Specs from Keithley Series 2200 programmable DC power supplies specifications (SPEC-2200). Confirm 2200-20-5 (20 V / 5 A / 100 W) versus 2200-30-5. Default GPIB address is 22 on family literature.

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.