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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8930A Autoranging System DC Power Supply 1000V 30A

LAN LXI Core USB GPIB and analog interfaces standard Master slave parallel operation for higher total power Instrument Type: Autoranging system DC power supply AC Input Family: 208 VAC family N8930A / 400 VAC peer N8950A Agilent Keysight N8930A Autoranging System DC Power Supply 1000 V 30 A 10 kW The Agilent/Keysight N8930A is an N8900 Series autoranging system DC power supply. OEM datasheet ratings list 1000 V, 30 A, and 10 kW with 208 VAC family N8930A / 400 VAC peer N8950A AC input family pairing. High-power ATE, EV and power-electronics stress testing, and rack systems needing autoranging full-power flexibility. Autoranging output characteristic for wideVandlat full power



MODEL

**Agilent / Keysight
N8930A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8930A

LISTING

<https://aumictechlabs.com/products/n8930a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8930A is a, autoranging, single-output DC power supply designed for demanding Automated Test Equipment (ATE) applications. It has a flexible power output with a maximum of 10 kW, providing a wide range of voltage and current combinations at full power, unlike traditional power supplies with fixed output characteristics. This autoranging capability allows the N8930A to function as multiple power supplies in one unit, enhancing flexibility and efficiency in test

system development. The unit is housed in a compact 3U rackmount chassis, optimizing space utilization in test racks. For applications requiring higher power, multiple N8930A units can be paralleled using the built-in master/slave control to operate as a single, larger power supply capable of delivering over 100 kW, with individual units programmed as one.

Technical Specifications General Features

- * Product Series: N8900 Series
- Product Type: Autoranging System
- DC Power Supply Output Configuration: Single Output
- Autoranging Capability: Yes
- Form Factor: 3U Rackmount Chassis
- Built-in Measurements: Voltage and Current
- Front Panel Operation: Accessible via menu system with knobs and keypad
- DC Output Ratings
- * Maximum Output Power: 10,000 W (10 kW)
- Maximum Output Voltage: 1,000 V
- Maximum Output Current: 30 A
- Minimum Output Voltage: 0 V
- Minimum Output Current: 0 A
- Input Power Requirements
- * Input Voltage: 208 VAC
- Minimum Supply Voltage: 187 V
- Maximum Supply Voltage: 229 V

Performance Specifications

- * **Programming Accuracy Voltage:** Approximately 0.1% of full-scale
- **Programming Accuracy Current:** Approximately 0.2% of full-scale
- Power Factor: > 0.99

Protection Features

- * Overvoltage Protection (OVP): Yes
- Overcurrent Protection (OCP): Yes
- Overtemperature Protection (OTP): Yes

Interfaces

- * Standard Interfaces: GPIB, Ethernet/LAN (LXI Core), USB 2.0, Analog

Remote Access: Supported via built-in web server and standard interfaces

Environmental Specifications

- * Operating Temperature Range: 0°C to 45°C

Physical Specifications

- * Dimensions (L x W x H): 660 mm x 483 mm x 133 mm (approximate, based on standard rack unit height)
- Weight: 26.4 kg

Compatibility and Expandability

- * Parallel Operation: Capable of paralleling with up to ten identical units (same model number) for increased power output
- Master/Slave Control: Built-in for seamless programming of paralleled units

Documentation

- * Available Documents: Data Sheets, User Guides, Service Manuals, Technical Overviews, Product Fact Sheets, Application Notes, Demos, Help Files

Why Choose Aumictech for the Keysight N8930A? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need solid power for complex ATE systems, flexible voltage and current configurations for product design validation, or reliable performance for laboratory testing, our team ensures the Keysight N8930A delivers maximum performance for your application.

N8930A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Autoranging system DC power supply
Series Family	Keysight N8900
Rated Output Voltage	1000 V
Rated Output Current	30 A
Rated Output Power	10 kW
AC Input Family	208 VAC family N8930A / 400 VAC peer N8950A
Output Voltage Ripple Noise CV Peak Peak	1600 mV from 20 Hz to 20 MHz
Output Voltage Ripple Noise CV RMS	350 mV from 20 Hz to 300 kHz
CV Load Effect	500 mV
CC Load Effect	53 mA / 45 mA class
Voltage Programming Accuracy	1.0 V or less at 23 C plus or minus 5 C
Current Programming Accuracy	60 mA or less at 23 C plus or minus 5 C
Voltage Measurement Accuracy	1.0 V or less at 23 C plus or minus 5 C
Current Measurement Accuracy	60 mA or less at 23 C plus or minus 5 C
Load Transient Recovery Time	1.5 ms or less to within 1 percent of rated output
Overvoltage Protection Range	0 to 1100 V
Remote Sense Compensation Per Lead	22 V
Up Program Response Full Load Typical	30 ms or less
Down Program Response Full Load Typical	80 ms or less
Command Response Time Typical	less than 25 ms
Package Height	3 U
Remote Interfaces	LAN LXI Core USB 2.0 GPIB analog
Parallel Capability	up to 10 identical units master slave
Series Operation	not recommended per OEM

PARAMETER

VALUE

Analog Program Monitor

0 to 5 V or 0 to 10 V corresponding to 0 to 100 percent full scale

Protection Modes

overvoltage overcurrent overtemperature

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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Protection Modes	overvoltage overcurrent overtemperature

Notes

Numeric rows from Keysight N8900 Series Autoranging System DC Power Supplies datasheet model column N8930A.

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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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.