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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8957A Autoranging System DC Power Supply 1500V 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: 400 VAC family N8957A / peer N8937A Agilent Keysight N8957A Autoranging System DC Power Supply 1500 V 30 A 15 kW The Agilent/Keysight N8957A is an N8900 Series autoranging system DC power supply. OEM datasheet ratings list 1500 V, 30 A, and 15 kW with 400 VAC input family N8957A paired with peer N8937A. 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
N8957A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8957A

LISTING

<https://aumictechlabs.com/products/n8957a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

Agilent/Keysight N8957A Autoranging DC Power Supply The Agilent/Keysight N8957A is a, autoranging DC power supply the rigorous demands of automated testing in research and development, design verification, and manufacturing environments. This single-output, programmable power supply delivers 3000W of power with precise voltage and current control, offering exceptional stability and accuracy within a compact 1U rack-mountable form factor. Its autoranging capability allows for flexible output configurations, providing either high voltage or

high current from a single unit, thus optimizing efficiency and reducing the need for multiple power supplies. Technical Specifications * Model: N8957A Manufacturer: Keysight Technologies (formerly Agilent Technologies) Output Power: 3000 W Output Voltage: Up to 30 V (autoranging) Output Current: Up to 100 A (autoranging) Autoranging Capability: Enables flexible output of voltage and current combinations, maximizing power utilization. Number of Outputs: 1 Programming Accuracy: * Voltage: $\pm(0.1\% \text{ of setting} + 0.05\% \text{ of full scale})$ * Current: $\pm(0.2\% \text{ of setting} + 0.1\% \text{ of full scale})$ Readback Accuracy: * Voltage: $\pm(0.05\% \text{ of reading} + 0.05\% \text{ of full scale})$ * Current: $\pm(0.1\% \text{ of reading} + 0.1\% \text{ of full scale})$ Load Regulation: * Voltage: $\leq 0.02\%$ * Current: $\leq 0.05\%$ Line Regulation: * Voltage: $\leq 0.01\%$ * Current: $\leq 0.02\%$ Ripple and Noise (20 Hz to 20 MHz): * Normal Mode Voltage: $\leq 15 \text{ mVrms}$ * Normal Mode Current: $\leq 20 \text{ mArms}$ * Common Mode: $\leq 20 \text{ mVrms}$ Transient Response: Voltage and current return to within 1% of the setting within 500 μs after a 50% to 100% load change. Protection Features: * Overvoltage Protection (OVP) * Overcurrent Protection (OCP) * Over-Temperature Protection (OTP) * Output Enable/Disable Efficiency: High efficiency to minimize heat dissipation and power consumption. Electrical Characteristics * Input Voltage Range: Selectable 187-264 VAC, 50/60 Hz (derated performance at lower input voltages). Input Current: $< 20 \text{ A RMS}$ at full load (230 VAC). Power Factor: > 0.98 at full load (230 VAC). Inrush Current: Limited to prevent nuisance tripping of input circuit breakers. Interfaces and Control * Remote Sensing: Compensates for voltage drop across output leads to ensure accurate voltage at the load. Analog Programming: Standard analog control (voltage and current) via BNC connectors. Digital Interfaces: * LAN (LXI Compliant) * USB * Optional GPIB (requires specific configuration or adapter) SCPI Command Set: Industry-standard programming commands for ease of integration into automated test systems. Front Panel Interface: * High-resolution color display for monitoring voltage, current, power, and status. * Rotary encoder and soft keys for local control and configuration. Physical Characteristics * Form Factor: 1U Rackmount Dimensions (H x W x D): 1.72 in. x 19.0 in. x 18.8 in. (43.7 mm x 482.6 mm x 477.5 mm) Weight: Approximately 29.8 lb (13.5 kg) Cooling: Forced-air cooling with internal fans. Fan speed adjusts automatically based on temperature. Rack Mountability: Designed for standard 19-inch rack mounting. Compatibility and Application * Target Applications: * Automated Test Equipment (ATE) * Product Design and Verification * Manufacturing Test * Semiconductor Testing * Aerospace and Defense Testing * Battery Test and Formation Integration: Compatible with major test automation software platforms and programming languages (e.g., LabVIEW, MATLAB, Python, C++). Why Choose Aumictech for Agilent/Keysight N8957A? At Aumictech, we specialize in supplying high-end power solutions equipment. Whether you need a reliable source for precise voltage and current control, a compact form factor for space-constrained test racks, or seamless integration into your automated test systems, our team ensures the Agilent/Keysight N8957A delivers maximum performance for your application.

N8957A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Autoranging system DC power supply
Series Family	Keysight N8900
Rated Output Voltage	1500 V
Rated Output Current	30 A
Rated Output Power	15 kW
AC Input Family	400 VAC family N8957A / peer N8937A
Current At Max Voltage	10.0 A
Voltage At Max Current	500.0 V
Output Voltage Ripple Noise CV Peak Peak	2400 mV from 20 Hz to 20 MHz
Output Voltage Ripple Noise CV RMS	400 mV from 20 Hz to 300 kHz
CV Load Effect	750 mV
CC Load Effect	45 mA
Voltage Programming Accuracy	1.5 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	1.5 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 1650 V
Remote Sense Compensation Per Lead	30 V
CV Source Effect	300 mV
CC Source Effect	15 mA
CC Ripple Noise RMS	26 mA
Programming Resolution Voltage	61 mV
Programming Resolution Current	2 mA
Measurement Resolution Voltage	61 mV

PARAMETER	VALUE
Measurement Resolution Current	2 mA
Up Program Response Full Load Typical	30 ms or less
Down Program Response Full Load Typical	80 ms or less
Down Program Response No Load Typical	10 s or less
Command Response Time Typical	less than 25 ms
Package Height	3 U
Dimensions Height	133 mm (3U); 135 mm with feet
Dimensions Width	483 mm
AC Input Nominal	400 VAC 3 phase 50/60 Hz
AC Input Current	3 × 28 A
Power Factor	greater than 0.99
Efficiency Typical	93 percent
Remote Interfaces	LAN LXI Core USB 2.0 GPIB analog
Parallel Capability	up to identical units master slave (OEM parallel group)
Series Operation	not recommended per OEM
Analog Program Monitor	0 to 5 V or 0 to 10 V corresponding to 0 to 100 percent full scale
Savable States	10 nonvolatile memory locations
Operating Temperature	0 C to 45 C
Storage Temperature	minus 20 C to 70 C
Protection Modes	overvoltage overcurrent overtemperature

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 70 C
Operating temperature	0 C to 45 C
Operating Temperature	0 C to 45 C
Protection Modes	overvoltage overcurrent overtemperature Notes Numeric rows from Keysight N8900 Series Autoranging System DC Power Supplies datasheet 5991-2818EN model column N8957A. Autoranging Current At Max Voltage and Voltage At Max Current from the available models table.

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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Instrument Type	Autoranging system DC power supply
Series Family	Keysight N8900
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Series Operation	not recommended per OEM
Analog Program Monitor	0 to 5 V or 0 to 10 V corresponding to 0 to 100 percent full scale
Savable States	10 nonvolatile memory locations
Operating Temperature	0 C to 45 C
Storage Temperature	minus 20 C to 70 C
Protection Modes	overvoltage overcurrent overtemperature

Notes

Numeric rows from Keysight N8900 Series Autoranging System DC Power Supplies datasheet 5991-2818EN model column N8957A. Autoranging Current At Max Voltage and Voltage At Max Current from the available models table.

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.