

**Aumictech**

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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8958A Autoranging System DC Power Supply 1500V 40A

Agilent/Keysight N8958A Autoranging System DC Power Supply 1500V 40A This listing is a catalog accessory or spare in the Agilent / Keysight catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU. No invented electrical performance numbers Use with the parent instrument or chassis named in the title when applicable Documented as thin because OEM numeric tables are not public Catalog Title: Agilent/Keysight N8958A Autoranging System DC Power Supply 1500V 40A



MODEL

**Agilent / Keysight
N8958A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8958A

LISTING

<https://aumictechlabs.com/products/n8958a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N8900 Series Autoranging System DC Power Supplies, designed for demanding Automated Test Equipment (ATE) applications, offer flexible and programmable DC power with high performance and affordability. These power supplies feature autoranging capabilities, providing a wide range of voltage and current combinations at full power, effectively consolidating

the functionality of multiple traditional power supplies into a single unit. This series is engineered for system integrators, labs, and enterprises requiring solid power solutions for testing and research. The N8900 Series is characterized by its stable output power, integrated voltage and current measurement, and a compact 3U design for efficient rack space utilization. For applications requiring higher power outputs, multiple N8900 units can be paralleled using the built-in master/slave control, enabling them to operate as a single power supply exceeding 100 kW without individual programming of each unit. Connectivity is facilitated through standard GPIB, Ethernet/LAN, USB 2.0, and analog interfaces, ensuring compatibility with existing and future test system architectures, and compliance with the LXI Core specification. The integrated web server further enhances control by allowing remote access and operation via a standard web browser.

Technical Specifications N8900 Series Power Supplies

- * **Power Output:** Available in 5 kW, 10 kW, and 15 kW models.
- * **Output Characteristic:** Autoranging, providing a wide range of voltage and current combinations at full power. This contrasts with traditional "rectangular" output characteristics that offer full power at only one voltage/current combination.
- * **Parallel Operation:** Multiple N8900 units can be paralleled for total output power exceeding 100 kW. Features built-in master/slave control for seamless integration as a single, higher-power supply.
- * **Measurement Capabilities:** Built-in voltage and current measurements.
- * **Form Factor:** Compact 3U design for space-saving rack mounting.
- * **Electrical Characteristics (Illustrative values from N8900 Series data sheets, specific to individual models)**
 - * **Output Voltage Range:** 80 V to 1500 V (across various models).
 - * **Output Current Range:** 20 A to 510 A (across various models).
 - * **Output Voltage Ripple and Noise (CC RMS):** * Examples include: 80 mA, 22 mA, 16 mA, 160 mA, 44 mA, 32 mA (specific values depend on model and output settings).
 - * **Programming Resolution (Voltage):** * Examples include: 4 mV, 9 mV, 21 mV, 31 mV (specific values depend on model and output settings).
 - * **Measurement Resolution (Voltage):** Specific values are available in detailed datasheets.
 - * **Programming Accuracy (23 °C ± 5 °C):** Specifications are detailed in model-specific datasheets.
 - * **Measurement Accuracy (23 °C ± 5 °C):** Specifications are detailed in model-specific datasheets.
 - * **Load Effect (Change from 0% to 100% of full load):** Specifications are detailed in model-specific datasheets.
 - * **Source Effect (±10% of AC input rating):** * Examples include: 16 mV, 40 mV, 100 mV, 150 mV (specific values depend on model and AC input rating).
 - * **Over-Voltage Protection Range:** * Examples include: 0-88 V, 0-220 V, 0-550 V, 0-825 V (specific to model's maximum output voltage).
 - * **Output Response Time (Voltage Excursion 10% to 90%):** * Up, full load: ≤ 30 ms. * Down, full load: ≤ 80 ms. * Down, no load: ≤ 10 s.
 - * **Load Transient Recovery Time:** Time for output voltage to recover within 1% of its rated output for a load change from 10% to 90% of its rated output current. Specifications are detailed in model-specific datasheets.
 - * **Command Response Time:** Specific values are detailed in model-specific datasheets.
 - * **Remote Sense Compensation:** Values are provided per voltage range (e.g., 2 V, 5 V, 10 V, 18 V).
- * **Interfaces** * **Standard I/O:** GPIB, Ethernet/LAN, USB 2.0, and Analog interfaces are included as standard.
- * **LXI Compliance:** Fully compliant with the LXI Core specification.
- * **Web Server:** Integrated web server for remote access and control via a standard web browser.
- * **Physical and E**

N8958A Characteristics / Specifications

PARAMETER	VALUE
Model	N8958A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight N8958A Autoranging System DC Power Supply 1500V 40A
Sku	N8958A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	N8958A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

PARAMETER	VALUE
Model	N8958A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight N8958A Autoranging System DC Power Supply 1500V 40A
Sku	N8958A
Product Class	catalog accessory or spare
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Document Class	accessory or spare identity sheet
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Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	N8958A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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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<https://aumictechlabs.com>

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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.