

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8941A Autoranging System DC Power Supply, 200 V, 70 A, 5000 W

Keysight (Agilent) N8941A Autoranging System DC Power Supply, 200 V, 70 A, 5000 W The Keysight N8941A is an N8900 Series autoranging system DC power supply (400 VAC) rated 200 V / 70 A / 5 kW. Autoranging supports combinations such as 200 V @ 25 A and 71.4 V @ 70 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. High-power ATE on 400 Vac; autoranging system DC; parallel multi-unit banks. The Keysight N8941A is an N8900 Series autoranging system DC power supply (400 VAC) rated 200 V / 70 A / 5 kW. Autoranging supports combinations such as 200 V @ 25 A and 71.4 V @ 70 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. High-power ATE on 400 Vac; autoranging system DC; parallel multi-unit banks.



MODEL

**Keysight / Agilent
N8941A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8941A

LISTING

<https://aumictechlabs.com/products/n8941a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8941A is a 5 kW autoranging DC power supply engineered for automated test equipment (ATE) systems requiring high power density and flexible output configurations. Delivering 0–200 V and 0–70 A at full 5000 W rating, it functions as multiple power supplies in a single 3U rack-mount unit. The autoranging topology eliminates the constraints of traditional rectangular output designs, enabling a wide range of voltage and current combinations at

maximum power. Built-in voltage and current measurement capabilities, combined with LAN (LXI Core), USB 2.0, GPIB, and analog interfaces, streamline integration into automated test systems. Multiple N8900 Series units parallel via integrated link to deliver over 100 kW aggregate power.

Technical Specifications

DC Output Voltage: 0–200 V Current: 0–70 A Power: 5000 W AC Input Voltage: 400 VAC (360–440 VAC operating range) Performance Voltage programming accuracy: $\leq 0.1\%$ of full-scale Current programming accuracy: $\leq 0.2\%$ of full-scale Voltage load effect: 100 mV Current load effect: 105 mA Output ripple and noise: 300 mV p-p / 40 mV rms (voltage); 22 mA rms (current) Command response time: < 25 ms Protection Over-voltage (0–220 V range), over-current, and over-temperature

Key Features

Autoranging output provides flexible voltage–current combinations at full power Built-in measurement capabilities for voltage and current Parallel-capable architecture with integrated linking for systems exceeding 100 kW Multiple communication interfaces for test system development 3U rack-mount form factor

Typical Applications

Automated test equipment, component characterization, power conversion testing, and systems requiring configurable high-power DC sources with real-time measurement feedback.

Compatibility & Integration

Part of the N8900 Series, which spans 5 kW, 10 kW, and 15 kW models with voltage ratings to 1500 V and current ratings to 510 A. Interfaces include LAN (LXI Core), USB 2.0, GPIB, and analog connections for flexible system integration.

Features & description

From manufacturer datasheet

Features

- 200 V / 70 A / 5,000 W • Autoranging: 25.0 A @ 200 V; 71.4 V @ 70 A • AC: 400 VAC nominal • Interfaces: LAN (LXI), USB, GPIB, analog • OVP/OCP/OTP; parallel primary/secondary

N8941A Characteristics / Specifications

PARAMETER	VALUE
Model	N8941A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (5 kW, 400 VAC)
Alias	N8941A DC Output
Voltage	0–200 V; Current: 0–70 A; Power: 5,000 W
Autoranging	25.0 A @ 200 V; 71.4 V @ 70 A
Interfaces	LAN (LXI), USB, GPIB, analog

N8941A Specifications

PARAMETER	VALUE
Applications	High-power ATE on 400 Vac; autoranging system DC; parallel multi-unit banks.
Key Features	- 200 V / 70 A / 5,000 W
Technical Specifications	Model: N8941A
DC Output	Voltage: 0–200 V; Current: 0–70 A; Power: 5,000 W
Performance	Per N8900 datasheet 5991-2818EN N8921A/N8941A (200 V / 5 kW) column
AC Input	400 VAC nominal $\pm 10\%$; 3-phase; 45–65 Hz; PF > 0.99
Operational Notes	N8921A is the 208 Vac twin. Prefer N8900 datasheet 5991-2818EN.

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	N8941A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (5 kW, 400 VAC)
Alias	N8941A

DC Output

Voltage: 0–200 V; Current: 0–70 A; Power: 5,000 W

Current @ Max Voltage: 25.0 A; Voltage @ Max Current: 71.4 V

Performance

Per N8900 datasheet 5991-2818EN N8921A/N8941A (200 V / 5 kW) column

AC Input

400 VAC nominal ±10%; 3-phase; 45–65 Hz; PF > 0.99

Operational Notes

N8921A is the 208 Vac twin. Prefer N8900 datasheet 5991-2818EN.

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 5, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.