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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N5752A Rack Mount Power Supplies

The Agilent/Keysight N5752A is an N5700 Series 1U system DC power supply. OEM datasheet ratings are 600 V, 1.3 A, and 780 W with built-in metering and standard LAN/USB/GPIB. Rack ATE DC power, manufacturing burn-in, and design validation where 750 W or 1500 W class density matters. Universal AC input 85 to 265 Vac with PFC LAN USB and GPIB interfaces standard LXI ClassC Overvoltage overcurrent overtemperature protection with UVL Agilent Keysight N5752A System DC Power Supply 600 V 1.3 A 780 W The Agilent/Keysight N5752A is an N5700 Series 1U system DC power supply. OEM datasheet ratings are 600 V, 1.3 A, and 780 W with built-in metering and standard LAN/USB/GPIB. Rack ATE DC power, manufacturing burn-in, and design validation where 750 W or 1500 W class density matters. Universal AC input 85 to 265 Vac with PFC



MODEL

**Agilent / Keysight
N5752A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5752A

LISTING

<https://aumictechlabs.com/products/n5752a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent N5752A is a single-output, 750W DC power supply designed for automated testing and research applications. It has a clean and stable DC output with excellent regulation and low noise. The power supply offers programmable voltage and current settings, allowing users to tailor the output to their specific needs. Integrated overvoltage and overcurrent protection

features safeguard both the power supply and the device under test. Remote sensing capabilities compensate for voltage drops in the load leads, ensuring accurate voltage delivery to the load.

N5752A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N5700
Rated Output Voltage	600 V
Rated Output Current	1.3 A
Rated Output Power	780 W
Output Ripple Noise CV Peak Peak	150 mV up to 20 MHz
Output Ripple Noise CV RMS	20 mV from 5 Hz to 1 MHz
CV Load Regulation	62 mV
CC Load Regulation	5.26 mA
CV Line Regulation	62 mV
CC Line Regulation	2.13 mA
Voltage Programming Accuracy	0.05 percent plus 300 mV
Current Programming Accuracy	0.1 percent plus 1.3 mA
Voltage Measurement Accuracy	0.1 percent plus 600 mV
Current Measurement Accuracy	0.1 percent plus 3.9 mA
Load Transient Recovery Time	2 ms or less
Overvoltage Protection Range	5 to 660 V
Overvoltage Protection Accuracy	3 V
Up Program Response Full Load	0.25 s
Down Program Response Full Load	0.30 s
Down Program Response No Load	4.0 s
Remote Sense Compensation Per Lead	5 V
CC Ripple Noise RMS	8 mA
Programming Resolution Voltage	72 mV
Programming Resolution Current	0.156 mA

PARAMETER	VALUE
Front Panel Display Accuracy Voltage	3 V
Front Panel Display Accuracy Current	0.0065 A
Command Response Time Typical	55 ms add to output response
Data Readback Transfer Time LAN Typical	3 ms
Package Height	1 U
Dimensions HxWxD	43.6 mm x 422.8 mm x 432.8 mm excluding connectors and handles
Weight	7 kg (15.4 lb)
AC Input	85 to 265 Vac 47 to 63 Hz universal
AC Input Current	10.5 A at 100 Vac nominal; 5 A at 200 Vac nominal
Power Factor	0.99 at nominal input and rated output power
Output Terminal Isolation	positive to plus or minus 600 Vdc; negative to plus or minus 400 Vdc from chassis
Parallel Capability	up to 4 similarly rated units
Series Capability	up to 2 similarly rated units within isolation limits
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassCA Analog Program Monitor: 0 to 5 V or 0 to 10 V and 0 to 5 kOhm or 0 to 10 kOhm
Temperature Spec Window	warranted 0 to 40 C unless otherwise noted

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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Notes

Numeric rows from Keysight N5700 Series System DC Power Supplies datasheet 5989-1330EN model column N5752A.

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