

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N5751A System DC Power Supply 300 V, 2.5 A, 750 W

Keysight (Agilent) N5751A System DC Power Supply 300 V, 2.5 A, 750 W The Keysight N5751A is an N5700 Series system DC power supply rated 300 V / 2.5 A / 750 W in a compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement. System DC bias; 300 V rail testing; ATE rack integration in 1U. The Keysight N5751A is an N5700 Series system DC power supply rated 300 V / 2.5 A / 750 W in a compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement. System DC bias; 300 V rail testing; ATE rack integration in 1U.



MODEL

**Keysight / Agilent
N5751A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5751A

LISTING

<https://aumictechlabs.com/products/n5751a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N5751A is a single-output, 750 W DC power supply engineered for automated test equipment (ATE) and production test environments. It delivers programmable output voltage up to 300 V and current up to 2.5 A with constant voltage/constant current (CV/CC) operation. The unit occupies minimal rack space in a compact 1U form factor and supports direct instrument stacking through front-to-rear airflow architecture. Technical Specifications Output Ratings Output Voltage: 0 to 300 V Output Current: 0 to 2.5 A Output Power: 750 W Input Power Input Voltage: 85–265 VAC universal input Input Frequency: 47 to 63 Hz Input Current: 10.5 A at 100 VAC, 5 A at 200 VAC

Power Factor Correction: Typical 0.99 Measurement & Control Built-in voltage and current measurement Analog programming via 0–5 V, 0–10 V, 0–5 k Ω , or 0–10 k Ω Front panel rotary encoders for voltage and current adjustment Stored states: 15 configurable recall points Front panel lockout capability Protection Over-voltage protection (OVP) Over-current protection (OCP) Over-temperature protection (OTP) Under-voltage limit (UVL)Key Features Rack-mountable 1U design, 19-inch width Multiple interface options: GPIB, LAN, USB 2.0 LXI Class C compliant Built-in web server for remote monitoring and control via standard browser Parallel operation: up to 4 units for increased power output Series operation: multiple units stackable for increased voltage outputTypical Applications Automated test equipment, production testing, device characterization, and power-hungry DUT validation requiring high voltage at moderate current levels.Compatibility & Integration GPIB, LAN, and USB 2.0 connectivity enable integration into existing test systems. LXI Class C compliance ensures interoperability with LXI-compliant instruments. Remote web-based control simplifies distributed and unattended test operations.

Features & description

From manufacturer datasheet

Features

• 300 V / 2.5 A / 750 W • 1U; universal AC 85–265 Vac • Interfaces: GPIB, LAN, USB, LXI Class C • CV ripple: 100 mV p-p / 12 mV rms • OVP/OCP

N5751A Characteristics / Specifications

PARAMETER	VALUE
Model	N5751A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (750 W)
Alias	N5751A DC Output Ratings
Voltage	0 to 300 V; Current: 0 to 2.5 A; Power: 750 W Output Ripple and Noise
Time	≤ 2 ms AC Input 85–265 Vac; 47–63 Hz; PF 0.99 at rated power Operational Notes Prefer Keysight N5700 Series datasheet 5989-1330.
Interfaces	GPIB, LAN, USB, LXI Class C
CV ripple	100 mV p-p / 12 mV rms

N5751A Specifications

PARAMETER	VALUE
Applications	System DC bias; 300 V rail testing; ATE rack integration in 1U.
Key Features	- 300 V / 2.5 A / 750 W
Technical Specifications	Model: N5751A
DC Output Ratings	Voltage: 0 to 300 V; Current: 0 to 2.5 A; Power: 750 W
Output Ripple and Noise	CV p-p: 100 mV; CV rms: 12 mV
Load Effect	Voltage: 32 mV; Current: 5.5 mA
Programming Accuracy	Voltage: 0.05% + 150 mV; Current: 0.1% + 2.5 mA
Measurement Accuracy	Voltage: 0.1% + 300 mV; Current: 0.1% + 7.5 mA
Load Transient Recovery	Time: ≤ 2 ms
AC Input	85–265 Vac; 47–63 Hz; PF 0.99 at rated power
Operational Notes	Prefer Keysight N5700 Series datasheet 5989-1330.

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	N5751A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (750 W)
Alias	N5751A

DC Output Ratings

Voltage: 0 to 300 V; Current: 0 to 2.5 A; Power: 750 W

Output Ripple and Noise

CV p-p: 100 mV; CV rms: 12 mV

Load Effect

Voltage: 32 mV; Current: 5.5 mA

Programming Accuracy

Voltage: 0.05% + 150 mV; Current: 0.1% + 2.5 mA

Measurement Accuracy

Voltage: 0.1% + 300 mV; Current: 0.1% + 7.5 mA

Load Transient Recovery

Time: ≤ 2 ms

AC Input

85–265 Vac; 47–63 Hz; PF 0.99 at rated power

Operational Notes

Prefer Keysight N5700 Series datasheet 5989-1330.

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.