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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N5750A System DC Power Supply, 150 V, 5 A, 750 W

Keysight (Agilent) N5750A System DC Power Supply, 150 V, 5 A, 750 W The Keysight N5750A is an N5700 Series system DC power supply rated 150 V / 5 A / 750 W in a compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement; analog/resistance programming. System DC bias; 150 V rail testing; ATE rack integration in 1U. The Keysight N5750A is an N5700 Series system DC power supply rated 150 V / 5 A / 750 W in a compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement; analog/resistance programming. System DC bias; 150 V rail testing; ATE rack integration in 1U.



MODEL

**Keysight / Agilent
N5750A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5750A

LISTING

<https://aumictechlabs.com/products/n5750a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N5750A is a 750 W single-output DC system power supply engineered for automated test equipment (ATE) and system integration applications. It delivers 150 V at 5 A, providing stable power for product validation across aerospace/defense, automotive, and communications sectors. The compact 1U rackmount form factor supports front-to-back airflow for equipment stacking and efficient thermal management. Technical Specifications Output Ratings Maximum voltage: 150 V Maximum current: 5 A Maximum power: 750 W Single output configuration Input & Power Quality Universal AC input: 85–265 VAC Input current: 10.5 A at 100

VAC, 5 A at 200 VAC Power factor correction: 0.99 typical Operating Modes & Control Constant voltage (CV) and constant current (CC) modes Programmable voltage and current via 0–5 V or 0–10 V analog signals, or 0–5 k Ω / 0–10 k Ω resistance Remote sense and independent remote on/off supported Front panel rotary encoders for coarse and fine adjustments Storage and recall of 15 operating states Front panel lock prevents accidental parameter changes Protection & Monitoring Over-voltage, over-current, over-temperature, and under-voltage protection Digital display for simultaneous voltage and current measurement Analog monitoring supported Connectivity & Remote Access GPIB, LAN (LXI Class C compliant), and USB interfaces Built-in web server for browser-based remote control and monitoring

Key Features

Scalable architecture: parallel connection of up to four units for higher current; series connection of up to two units for higher voltage Universal AC input with high power factor correction eliminates need for external conditioning Multiple programming methods support legacy systems and modern automation platforms Independent remote enable/disable for seamless integration into ATE racks

Typical Applications Automated test systems, component validation, burn-in testing, and integrated manufacturing test environments in aerospace, defense, automotive, and telecommunications.

Compatibility & Integration The N5750A integrates into existing test infrastructure via GPIB, Ethernet (LXI Class C), and USB. Remote programming through analog control or web interface accommodates both legacy and IP-based test architectures.

Features & description

From manufacturer datasheet

Features

- 150 V / 5 A / 750 W • 1U package; universal AC 85–265 Vac • Interfaces: GPIB, LAN, USB, LXI Class C
- CV ripple: 80 mV p-p / 8 mV rms • OVP/OCP; Sorensen DLM / Xantrex XFR / 603x compatibility commands (family)

N5750A Characteristics / Specifications

PARAMETER	VALUE
Model	N5750A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (750 W)
Alias	N5750A DC Output Ratings
Voltage	18 mV; Current: 0.6 mA AC Input Nominal 100–240 Vac; 50/60 Hz; range 85–265 Vac; 47–63 Hz; PF 0.99 at rated power Operational Notes Prefer Keysight N5700 Series datasheet 5989-1330 for full N5750A rows. Do not confuse with Lambda GENH150-5 / N5750A catalog siblings.
Current	0.1% + 15 mA Load Transient Recovery
Power	750 W Output Ripple and Noise
CV rms	8 mV (5 Hz–1 MHz) Load Effect (10% to 90%)
Time	≤ 2 ms (N5750A column) Programming / Measurement Resolution
Interfaces	GPIB, LAN, USB, LXI Class C
CV ripple	80 mV p-p / 8 mV rms

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	N5750A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (750 W)
Alias	N5750A
DC Output Ratings	
Specifications	
PARAMETER	VALUE
Voltage	0 to 150 V
Current	0 to 5 A
Power	750 W
Output Ripple and Noise	
CV p-p: 80 mV (to 20 MHz)	
CV rms: 8 mV (5 Hz–1 MHz)	
Load Effect (10% to 90%)	
Voltage: 17 mV	
Current: 6 mA	
Source Effect	
Voltage: 17 mV; Current: 2.5 mA (85–132 or 170–265 Vac)	
Programming Accuracy	
Voltage: 0.05% + 75 mV	
Current: 0.1% + 5 mA	
Measurement Accuracy	
Voltage: 0.1% + 150 mV	
Current: 0.1% + 15 mA	
Load Transient Recovery	
Time: ≤ 2 ms (N5750A column)	
Programming / Measurement Resolution	
Voltage: 18 mV; Current: 0.6 mA	
AC Input	
Nominal 100–240 Vac; 50/60 Hz; range 85–265 Vac; 47–63 Hz; PF 0.99 at rated power	

Operational Notes

Prefer Keysight N5700 Series datasheet 5989-1330 for full N5750A rows. Do not confuse with Lambda GENH150-5 / N5750A catalog siblings.

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.