

**Aumictech**

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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N5745A System DC Power Supply, 30 V, 25 A, 750 W

Alias: N5745A; Agilent N5745A; Keysight N5745A CC ripple rms: 63 mAVprogram accuracy: 0.05% + 15 mVlprogram accuracy: 0.1% + 25 mA Specs from Agilent/Keysight N5700 Series data sheet (N5745A / 30 V column). Confirm interface options on the unit. CC ripple rms: 63 mAVprogram accuracy: 0.05% + 15 mVlprogram accuracy: 0.1% + 25 mA Specs from Agilent/Keysight N5700 Series data sheet (N5745A / 30 V column). Confirm interface options on the unit.



MODEL

**Keysight / Agilent
N5745A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5745A

LISTING

[https://aumictechlabs.c
om/products/n5745a-2/](https://aumictechlabs.com/products/n5745a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N5745A is a 750 W single-output programmable DC power supply engineered for automated test equipment and bench applications. This 1U rackmount unit delivers 0–30 VDC at 0–25 A with universal AC input (85–265 VAC), constant voltage/constant current operation, and integrated protection against overvoltage, overcurrent, and thermal faults. Remote sensing compensates for wiring losses to maintain load accuracy. The instrument supports GPIB, LAN, and USB 2.0 interfaces with full LXI Class C compliance and includes a built-in web server for browser-based control. Technical Specifications Output Ratings Single output: 0–30 VDC, 0–25 A Maximum power: 750 W CV/CC operation with independent remote enable/disable Electrical

Characteristics Input: Universal 85–265 VAC; 10.5 A @ 100 VAC, 5 A @ 200 VAC Power factor correction: 0.99 typical Overvoltage, overcurrent, and overtemperature protection Remote sensing for load compensation Interfaces & Control GPIB, LAN, USB 2.0; SCPI command set Analog voltage and current control; front-panel rotary encoders (coarse/fine) 15 user-definable memory states Web server interface for remote access Front-panel lock prevents accidental adjustment Display & Measurement Digital simultaneous voltage and current readout LED status indicators Physical 1U height, 19-inch rackmount form factor Front, side, and rear ventilation for stacked deployment

Key Features Parallel operation up to 4 units for increased current capability Series operation for elevated output voltage Compact 1U profile suitable for ATE and benchtop setups 0.99 power factor correction minimizes input current draw Built-in web server enables remote monitoring and control

Typical Applications Automated test equipment (ATE) systems Component and device characterization Power distribution in multiunit test racks Development and validation benches requiring programmable DC power

Compatibility & Integration Full SCPI support enables integration into LXI-compliant test infrastructures. Parallel and series capability allows flexible power architecture scaling. Multiple interface options GPIB, Ethernet, and USB - accommodate legacy and modern control systems.

Features & description

From manufacturer datasheet

Features

• Voltage: 0 to 30 V • Current: 0 to 25 A • Power: 750 W • Form: 1U • Programming accuracy: V 0.05% + 15 mV; I 0.1% + 25 mA • CV ripple p-p: 60 mV; CV rms: 8 mV; CC rms: 63 mA • Load effect V (10–90%): 5 mV; I: 10 mA • Load transient recovery: ≤ 1 ms • AC input: 85–265 VAC, 47–63 Hz; PF 0.99 • Input current (750 W): 10.5 A @ 100 VAC; 5 A @ 200 VAC • Efficiency: 76–87% (750 W class) • Inrush: <25 A (750 W) • Size: 43.6 × 422.8 × 432.8 mm; weight ~7 kg • Interfaces: GPIB, USB, LAN (LXI); analog programming • Protections: OVP, OCP, OTP, UVL class

Applications

• Compact 1U rack ATE power to 750 W • Bench/system DC source with remote interfaces • Parallel/series multi-unit configurations

N5745A Characteristics / Specifications

PARAMETER	VALUE
Model	N5745A
Manufacturer	Keysight / Agilent
Instrument Type	System DC Power Supply
Alias	N5745A; Agilent N5745A; Keysight N5745A
Voltage	0 to 30 V
Current	0 to 25 A
Power	750 W
CV ripple rms	8 mV
CC ripple rms	63 mAVprogram accuracy: 0.05% + 15 mVlprogram accuracy: 0.1% + 25 mA
Transient recovery	≤1 ms
Height	1U
Weight	7 kg Notes Specs from Agilent/Keysight N5700 Series data sheet (N5745A / 30 V column). Confirm interface options on the unit.
Form	1U
Programming accuracy	V 0.05% + 15 mV; I 0.1% + 25 mA
CV ripple p-p	60 mV; CV rms: 8 mV; CC rms: 63 mA
Load effect V (10–90%)	5 mV; I: 10 mA
Load transient recovery	≤1 ms
AC input	85–265 VAC, 47–63 Hz; PF 0.99
Input current (750 W)	10.5 A @ 100 VAC; 5 A @ 200 VAC
Efficiency	76–87% (750 W class)
Inrush	<25 A (750 W)
Size	43.6 × 422.8 × 432.8 mm; weight ~7 kg
Interfaces	GPIOB, USB, LAN (LXI); analog programming
Protections	OVP, OCP, OTP, UVL class

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
Specs from Agilent/Keysight N5700 Series data sheet (N5745A / 30 V column). Confirm interface options on the unit.

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.