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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8740A DC Power Supply, 150 V, 22 A, 3300 W, Programmable

Keysight (Agilent) N8740A DC Power Supply, 150 V, 22 A, 3300 W, Programmable The Keysight N8740A is an N8700 Series system DC power supply rated 150 V / 22 A / 3300 W incompact 2U package. Flexible AC input options; GPIB/LAN (LXI)/USB; built-in V/I measurement; analog/resistance control; parallel and series stacking. System DC bias; 150 V ATE; rack power for component and automotive tests. The Keysight N8740A is an N8700 Series system DC power supply rated 150 V / 22 A / 3300 W incompact 2U package. Flexible AC input options; GPIB/LAN (LXI)/USB; built-in V/I measurement; analog/resistance control; parallel and series stacking. System DC bias; 150 V ATE; rack power for component and automotive tests.



MODEL	CALIBRATION
Keysight / Agilent N8740A	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
N8740A	https://aumictechlabs.com/products/n8740a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8740A is a 3300 W programmable DC power supply delivering 150 V at 22 A output in a compact 2U rack-mount form factor. It combines high precision voltage and current control with low ripple characteristics, making it suitable for demanding test, validation, and manufacturing environments. The unit integrates multiple communication interfaces, configurable protection mechanisms, and operational flexibility including parallel and series stacking

capabilities. Technical Specifications DC Output Ratings Voltage: 150 V Current: 22 A Power: 3300 W Programming Accuracy Voltage: 0.05% + 75 mV Current: 0.1% + 44 mA Output Ripple and Noise Constant Voltage (p-p): 100 mV Constant Voltage (rms): 25 mV AC Input 190–240 VAC, single phase, 50/60 Hz 190–240 VAC, three phase, 50/60 Hz 208 VAC, three phase, 50/60 Hz Active power factor correction Key Features Control & Programming Output voltage and current settings, measurements, and trigger configurations are fully programmable. Analog/resistance control of output parameters is supported alongside web server access via standard browser. Bus trigger, calibration functions, and startup mode selection (last setting or reset) are available. Protection & Monitoring Over-voltage, over-current, over-temperature, and under-voltage limit protections are integrated. Status register readback and programmable OVP/OCP thresholds enable custom protection schemes. Built-in voltage and current measurement provides real-time output monitoring. Operational Flexibility Up to four identical units connect in parallel for increased current output; two units stack in series for increased voltage. Remote sensing compensates for voltage drop across load leads. Fan speed control optimizes noise levels and extends component life. Zero-gap stacking is enabled with no ventilation holes on top and bottom surfaces. Interfaces & Connectivity Standard interfaces include LAN (LXI Core), USB 2.0, and GPIB. The unit is fully LXI Class C compliant. Instrument drivers are available for LabVIEW, LabWindows/CVI, and Measurement Studio. Typical Applications Aerospace/defense, automotive, communications, and research/development testing environments requiring precision DC power with programmable control and extensive instrumentation.

Features & description

From manufacturer datasheet

Features

• 150 V / 22 A / 3,300 W • 2U high-density package • Interfaces: GPIB, LAN (LXI-Core), USB • CV ripple: 100 mV p-p / 25 mV rms • Programming accuracy: 0.05% + 75 mV (V); 0.1% + 44 mA (I) • OVP/OCP/OTP

N8740A Characteristics / Specifications

PARAMETER	VALUE
Model	N8740A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N8700 Series (3.3 kW class)
Alias	N8740A DC Output Ratings
Voltage	0 to 150 V; Current: 0 to 22 A; Power: 3,300 W Output Ripple and Noise
Time	< 2 ms Operational Notes Prefer Keysight N8700 Series datasheet 5990-3881.
Interfaces	GPIB, LAN (LXI-Core), USB
CV ripple	100 mV p-p / 25 mV rms
Programming accuracy	0.05% + 75 mV (V); 0.1% + 44 mA (I)

N8740A Specifications

PARAMETER	VALUE
Applications	System DC bias; 150 V ATE; rack power for component and automotive tests.
Key Features	- 150 V / 22 A / 3,300 W
Technical Specifications	Model: N8740A
DC Output Ratings	Voltage: 0 to 150 V; Current: 0 to 22 A; Power: 3,300 W
Output Ripple and Noise	CV p-p: 100 mV; CV rms: 25 mV
Measurement Accuracy	Voltage: 0.1% + 150 mV; Current: 0.1% + 66 mA
Load Transient Recovery	Time: < 2 ms
Operational Notes	Prefer Keysight N8700 Series datasheet 5990-3881.

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	N8740A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N8700 Series (3.3 kW class)
Alias	N8740A

DC Output Ratings

Voltage: 0 to 150 V; Current: 0 to 22 A; Power: 3,300 W

Output Ripple and Noise

CV p-p: 100 mV; CV rms: 25 mV

Programming Accuracy

Voltage: 0.05% + 75 mV; Current: 0.1% + 44 mA

Measurement Accuracy

Voltage: 0.1% + 150 mV; Current: 0.1% + 66 mA

Load Transient Recovery

Time: < 2 ms

Operational Notes

Prefer Keysight N8700 Series datasheet 5990-3881.

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.