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Data Sheet

August 14, 2026

AGILENT

Agilent 8757A 60GHz Scalar Network analyzer

Agilent Keysight N8757A System DC Power Supply 60 V 85 A 5100 W The Agilent/Keysight N8757A is a 5 kW class N8700 Series system DC power supply. OEM datasheet ratings are 60 V, 85 A, and 5100 W with built-in measurement and LXI ClassCremote I/O. High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U. Compact 2U 19 inch system DC supply package The Agilent/Keysight N8757A is a 5 kW class N8700 Series system DC power supply. OEM datasheet ratings are 60 V, 85 A, and 5100 W with built-in measurement and LXI ClassCremote I/O. High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U. Compact 2U 19 inch system DC supply package LAN USB and GPIB interfaces standard LXI ClassCOvervoltage overcurrent and overtemperature protection with UVL window



MODEL

Agilent 8757A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

8757A

LISTING

<https://aumictechlabs.com/products/8757a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent 8757A is a scalar network analyzer operating from 10 MHz to 60 GHz, delivering precise magnitude measurements of RF and microwave components across insertion loss, gain, return loss, SWR, and power. With 76 dB dynamic range and 0.01 dB vertical resolution, it captures accurate characterization data critical for aerospace, defense, and telecommunications applications. Technical Specifications Frequency range: 10 MHz to 60 GHz Dynamic range: 76 dB (–60 dBm to +16 dBm) Vertical resolution: 0.01 dB Horizontal resolution: 101, 201, 401, 801, or 1601

selectable data points Maximum input power: +27 dBm (HP 11636 power splitters) Display channels: Four independent channels Detector inputs: Three standard; four with Option 001 Physical dimensions: 24 × 20 × 16 inches; 50 lbs Key Features AC and DC detection techniques - square wave modulation for drift-free measurements; DC for swept-frequency operation Four independent display channels for simultaneous measurement monitoring Built-in limit testing for rapid pass/fail comparison against specification windows Save and recall up to nine instrument states, including calibration and measurement data HP-IB (GPIB) system control interface for integration with swept sources, plotters, and printers Internal plotter/printer buffer accelerates measurement cycles by returning control while data outputs External voltage measurement via rear-panel ADC input (-10 to +10 volts) Measurement Capabilities Insertion loss and gain Return loss Standing wave ratio (SWR) Power in dBm Compatibility & Integration The analyzer interfaces with HP 11664 A/E detectors, HP 85025/85026 AC/DC detectors, and HP 85037 series precision detectors. Directional bridge support includes HP 85020 and 85027 series units. Swept source compatibility spans HP 8350B, HP 8340B/8341B, Agilent PSG1 (Option 007), Agilent 8360 and 8370 series. The 8757D model enables external data storage and retrieval via HP-IB disk drive interfaces.

8757A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N8700 5 kW class
Rated Output Voltage	60 V
Rated Output Current	85 A
Rated Output Power	5100 W
Output Ripple Noise CV Peak Peak	75 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	10 mV from 5 Hz to 1 MHz
CV Load Regulation	14 mV
CC Load Regulation	85 mA
CV Line Regulation	6 mV
CC Line Regulation	42.5 mA
Voltage Programming Accuracy	0.025 percent plus 45 mV
Current Programming Accuracy	0.1 percent plus 255 mA
Voltage Measurement Accuracy	0.025 percent plus 75 mV
Current Measurement Accuracy	0.1 percent plus 255 mA
Load Transient Recovery Time	less than 1 ms
Overvoltage Protection Range	5 to 66 V
Package Height	2 U
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassCCCommand Language: SCPI with IVI COM drivers
Parallel Capability	up to 4 identical units for higher current
Series Capability	2 identical units for higher voltage within isolation limits
Analog Program Monitor	0 to 5 V or 0 to 10 V and resistance programming paths
Temperature Spec Window	ambient 0 to 40 C unless otherwise noted in OEM tables
Bandwidth	Output Ripple Noise CV RMS: 10 mV from 5 Hz to 1 MHz

8757A Specifications

PARAMETER	VALUE
Applications	High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U.
Key Features	Compact 2U 19 inch system DC supply package
LAN USB and GPIB interfaces standard LXI Class C	Overvoltage overcurrent and overtemperature protection with UVL window
Technical Specifications	Instrument Type: System DC power supply
Notes	Numeric rows from Agilent/Keysight N8700 Series datasheet model column N8757A (5 kW tables).

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
Instrument Type	System DC power supply
Series Family	Keysight N8700 5 kW class
Rated Output Voltage	60 V
Rated Output Current	85 A
Rated Output Power	5100 W
Output Ripple Noise CV Peak Peak	75 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	10 mV from 5 Hz to 1 MHz
CV Load Regulation	14 mV
CC Load Regulation	85 mA
CV Line Regulation	6 mV
CC Line Regulation	42.5 mA
Voltage Programming Accuracy	0.025 percent plus 45 mV
Current Programming Accuracy	0.1 percent plus 255 mA
Voltage Measurement Accuracy	0.025 percent plus 75 mV
Current Measurement Accuracy	0.1 percent plus 255 mA
Load Transient Recovery Time	less than 1 ms
Overvoltage Protection Range	5 to 66 V
Package Height	2 U
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassCCommand Language: SCPI with IVI COM drivers
Parallel Capability	up to 4 identical units for higher current
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Notes	
Numeric rows from Agilent/Keysight N8700 Series datasheet model column N8757A (5 kW tables).	

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.