


Aumictech

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6613B DC Power Supply

Agilent Keysight 6613B System DC Power Supply 0 to 50 V 0 to 1 A The Agilent/Keysight 6613B is a linear-regulated 40–50 W system DC power supply. OEM 6610C Series data sheet rates 0 to 50 V and 0 to 1 A with GPIB, precision low-current measurement, and active downprogramming. Portable product manufacturing test and bench system DC with microamp readback. Dual-range precision low current measurement The Agilent/Keysight 6613B is a linear-regulated 40–50 W system DC power supply. OEM 6610C Series data sheet rates 0 to 50 V and 0 to 1 A with GPIB, precision low-current measurement, and active downprogramming. Portable product manufacturing test and bench system DC with microamp readback. Dual-range precision low current measurement Programming Accuracy Voltage 25 C: 0.05 percent plus 20 mV



MODEL

**Agilent / Keysight
6613B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6613B

LISTING

<https://aumictechlabs.com/products/6613b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6613B is a single-output DC power supply delivering 0–50 Vdc at 0–1 Adc with 50 W maximum power. Engineered for benchtop testing and automated test systems, it combines precise voltage and current control with low noise and excellent regulation in a compact, half-rack form factor. Technical Specifications Output Ratings Voltage: 0–50 Vdc Current: 0–1 Adc Maximum Power: 50 W Performance (25°C ±5°C) Voltage Programming Accuracy: ±20 mV Current Programming Accuracy: ±0.05% + 0.75 mA Voltage Load Regulation: 4

mV Current Load Regulation: 0.5 mA Voltage Line Regulation: 1 mV Voltage Ripple and Noise (20 Hz to 20 MHz): 0.5 mV RMS, 4 mV peak-to-peak Normal Mode Current Noise: 1 mA RMS Voltage Measurement Accuracy: 0.03% + 2 mV Transient Response Command Processing Time: 4 ms average (GPIB) Output Programming Response: <2 ms (10/90% and 90/10%) Voltage Settling: <6 ms within 1 LSB (0.025% of rated voltage) Recovery Time: <100 μ s to within 0.1% of voltage

Key Features Dual communication interfaces: GPIB and RS-232 Half-rack size: 8.2 kg, space-efficient benchtop footprint Safety Class I instrument with protective earth terminal Multiple AC input options: 87–106 VAC, 104–127 VAC, 191–233 VAC, 207–253 VAC Low-noise output with tight load and line regulation Fast transient response for dynamic load testing

Typical Applications Benchtop characterization and validation of low-power analog circuits, automated test sequences requiring precise voltage sourcing, and laboratory environments demanding stable, regulated DC power in constrained spaces.

Compatibility & Integration GPIB and RS-232 connectivity enables integration into automated test stations and legacy laboratory systems. Command processing and output settling specifications support closed-loop control applications.

6613B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight 6610C
Number of Outputs	1
GPIO	Yes
Output Voltage Rating	0 to 50 V
Output Current Rating	0 to 1 A
Programming Accuracy Voltage 25 C	0.05 percent plus 20 mV
Programming Accuracy Current	0.05 percent plus 0.75 mA
Ripple Noise Voltage RMS	0.5 mV
Ripple Noise Voltage Peak Peak	4 mV
Ripple Noise Current RMS	1 mA
Load Regulation Voltage	0.5 mV class
Load Regulation Current	0.5 mA class
Line Regulation Voltage	0.5 mV class
Line Regulation Current	0.25 to 0.5 mA class
Transient Response	less than 100 us for up to 50 percent load step
Average Programming Resolution Voltage	12.5 mV
Average Programming Resolution Current	0.25 mA
Sink Current	0.6 A
Output Programming Rise Fall	less than 2 ms
Settling	less than 6 ms to 1 LSB
Size	212.8 mmWx 88.1 mmHx 368.3 mmDWeight Net: 8.2 kg (18.16 lb)
Input Power Full Load	1.6 A, 100 W class
DC Floating Voltage	plus or minus 240 Vdc

6613B Specifications

PARAMETER	VALUE
Applications	Portable product manufacturing test and bench system DC with microamp readback.
Key Features	Fast low-noise linear output
Technical Specifications	Instrument Type: System DC power supply
Notes	From Keysight 6610C Series data sheet model column. B revisions share the matching C voltage/current column in OEM literature.

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 6610C
Number of Outputs	1
GPiB	Yes
Output Voltage Rating	0 to 50 V
Output Current Rating	0 to 1 A
Programming Accuracy Voltage 25 C	0.05 percent plus 20 mV
Programming Accuracy Current	0.05 percent plus 0.75 mA
Ripple Noise Voltage RMS	0.5 mV
Ripple Noise Voltage Peak Peak	4 mV
Ripple Noise Current RMS	1 mA
Load Regulation Voltage	0.5 mV class
Load Regulation Current	0.5 mA class
Line Regulation Voltage	0.5 mV class
Line Regulation Current	0.25 to 0.5 mA class
Transient Response	less than 100 us for up to 50 percent load step
Average Programming Resolution Voltage	12.5 mV
Average Programming Resolution Current	0.25 mA
Sink Current	0.6 A
Output Programming Rise Fall	less than 2 ms
Settling	less than 6 ms to 1 LSB
Size	212.8 mmWx 88.1 mmHx 368.3 mmDWeight Net: 8.2 kg (18.16 lb)
Input Power Full Load	1.6 A, 100 W class
DC Floating Voltage	plus or minus 240 Vdc

Notes

From Keysight 6610C Series data sheet model column. B revisions share the matchingCvoltage/current column in OEM literature.

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 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.