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Data Sheet

August 12, 2026

HP / AGILENT

HP / Agilent 6920B METER CALIBRATOR

The 6920B is a feedback-regulated solid-state meter calibrator providing ten continuously variable AC/DC output ranges for calibrating common voltmeters and ammeters. Ranges span 1 V to 1000 V and 100 μ A to 5 A full scale. AC output tracks line frequency with average-value control; the 3-digit dial is calibrated to the RMS value of a sine wave. Power capability 10/100/1000 V ranges: to about 10 W Voltage-mode grounding: negative terminal grounded Current-mode grounding: both terminals floating (load must float) Specs from HP 6920B Operating Manual (06920-90001). Confirm line voltage setting and that current-mode loads are floating.



MODEL

HP / Agilent 6920B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6920B

LISTING

<https://aumictechlabs.com/products/6920b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 6920B Meter Calibrator is a precision feedback-regulated power source engineered to deliver calibrated AC and DC voltage and current outputs for verification and calibration of analog and digital meters. Designed for deployment in calibration laboratories, quality control departments, and electronic repair facilities, this portable instrument provides traceable measurement standards without requiring permanent installation. Technical Specifications Output Voltage and Current Ten continuously variable DC voltage ranges: 1 V to 1000 V Ten continuously variable DC current ranges: 100 μ A to 5 A full scale Ten continuously variable AC voltage ranges: 1 V to 1000 V Ten continuously variable AC current ranges: 100 μ A to

5 A full scale (100 μ A AC range not calibrated) Accuracy DC: 0.2% of output + 1 digit AC: 0.4% of output + 1 digit Line regulation maintained across 105 to 125 VAC input Specifications achieved after 1-hour warm-up in static environments Output Impedance DC 1 V range: $<0.0005 \Omega$ AC 1 V range: 500 M Ω Other DC ranges: accuracy maintained across rated load capability Power Delivery AC power output: 2.5 W to 10 W depending on range Load power factor (AC): 0.9 to 1.0Key Features Dual-polarity output terminals; negative terminal grounded to chassis in voltage ranges Current ranges operate with floating loads (neither terminal internally grounded) Voltage ranges short-circuit protected; current ranges open-circuit protected Operating temperature range: 0° to 50°C Input: 105–125 VAC, single-phase, 58–62 HzTypical Applications Multimeter and analog instrument calibration; meter verification in quality assurance; precision current and voltage standard applications; maintenance calibration in service facilities.Compatibility & Integration Output connectors accommodate standard meter leads. Historical documentation available from service archives; original operating and service manuals date to 1965–1967.

Features & description

From manufacturer datasheet

Features

- Constant-voltage and constant-current output modes
- Ten continuously variable AC/DC ranges in one instrument
- Compact solid-state calibrator for bench use
- 100 uA range not calibrated in AC (OEM note)

Applications

- DC voltmeter calibration to 1000 V
- Average-reading AC voltmeter calibration to 1000 V
- DC ammeter calibration to 5 A
- Average-reading AC ammeter calibration to 5 A
- Lab and production meter verification

6920B Characteristics / Specifications

PARAMETER	VALUE
Model	6920B
Manufacturer	HP / Agilent
Instrument Type	Meter Calibrator
Alias	6920B; Agilent 6920B; HP 6920B
Voltage ranges	1 V to 1000 V (4 ranges plus vernier)
Current ranges	100 μ A to 5 A (6 ranges plus vernier)
DC absolute accuracy	+/-0.2% of output +/-1 digit
AC absolute accuracy	+/-0.4% of output +/-1 digit
AC frequency	power-line frequency
Power capability low current ranges	from about 2.5 W
Power capability 10/100/1000 V ranges	to about 10 W 100 μ A range AC: not calibrated

6920B Specifications

PARAMETER	VALUE
HP / Agilent 6920B Meter Calibrator	Overview
Applications	- DC voltmeter calibration to 1000 V
Technical Specifications	Model: 6920B
Notes	Specs from HP 6920B Operating Manual (06920-90001). Confirm line voltage setting and that current-mode loads are floating.

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

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Model	6920B
Manufacturer	HP / Agilent
Instrument Type	Meter Calibrator
Alias	6920B; Agilent 6920B; HP 6920B

Specifications

PARAMETER	VALUE
Voltage ranges	1 V to 1000 V (4 ranges plus vernier)
Current ranges	100 uA to 5 A (6 ranges plus vernier)
DC absolute accuracy	+/-0.2% of output +/-1 digit
AC absolute accuracy	+/-0.4% of output +/-1 digit
AC frequency	power-line frequency
Power capability low current ranges	from about 2.5 W
Power capability 10/100/1000 V ranges	to about 10 W

100 uA range AC: not calibrated

DC 1000 V full-scale error class: +/-3 V

AC 1000 V full-scale error class: +/-5 V

Voltage-mode grounding: negative terminal grounded

Current-mode grounding: both terminals floating (load must float)

Notes

Specs from HP 6920B Operating Manual (06920-90001). Confirm line voltage setting and that current-mode loads are floating.

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.