

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 34450A

The Agilent/Keysight 34450A is a 5.5-digit dual-display benchtop DMM. OEM datasheet lists 0.015% DCV accuracy, up to 190 readings/s, OLED dual display, and USB/RS-232/GPIB connectivity options with up to 50,000 memory points. General industrial and educational bench measurements, dual-display monitoring, and production logging needing Fluke 45/8808A code compatibility. Up to 50,000 memory points for data logging Fluke 45 and Fluke 8808A code compatibility Remote Interfaces: USB 2.0, Serial RS-232, and GPIB options Code Compatibility: Fluke 45 and Fluke 8808A Software Note: BenchVue supported per OEM sheet From Keysight 34450A Multimeter data sheet. Per-range accuracy tables are in the full OEM sheet.



MODEL

**Agilent / Keysight
34450A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34450A

LISTING

<https://aumictechlabs.com/products/34450a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 34450A is a 5.5-digit benchtop digital multimeter engineered for industrial test, educational, and automated data acquisition systems. It delivers 190 readings/second with 50,000-point internal memory capable of 14-hour logging sessions, True RMS measurement across voltage and current, and precision DC accuracy of 0.015% + 0.005%. The ultra-bright OLED dual display, USB 2.0 connectivity, and comprehensive function set - including 2-wire/4-wire resistance, frequency to 300 kHz, capacitance to 10 mF, and temperature measurement -

make it suitable for field service, production testing, and bench troubleshooting.

Technical Specifications

Measurement Functions DC and AC voltage (True RMS) DC and AC current (True RMS) 2-wire and 4-wire resistance Frequency (20 Hz to 300 kHz for voltage; 20 Hz to 10 kHz for current) Capacitance (1 nF to 10 mF) Diode and continuity testing Temperature measurement

Resolution & Accuracy 5.5-digit display resolution DC voltage: 0.015% + 0.005% range accuracy Resistance (2-wire/4-wire): 0.050% + 0.008% (100 Ω range example) Frequency: 0.02% + 3 counts Capacitance: 1% + 0.5 counts (typical) Input Protection & Measurement Limits Maximum voltage: 1000 VDC / 750 VAC (1000 Vpk HI to LO; 500 Vpk LO to Ground) Transient overvoltage withstand: 2500 Vpk Maximum current input: 100 mA (rms) Input impedance: 10 M Ω or >10 G Ω (range-dependent) IEC Category II (300 VAC mains) Data Logging Internal memory: 50,000 data points Continuous logging: Up to 14 hours Built-in histogram and statistical functions

Key Features Reading rate up to 190/second for time-critical measurements Ultra-bright OLED display with dual-reading capability 100 M Ω maximum resistance measurement at 100 nA AC measurements across 20 Hz–100 kHz bandwidth USB 2.0 for direct data transfer and remote control

Typical Applications Automated test equipment and data logging systems Component and circuit verification Preventive maintenance in industrial settings Electrical lab instruction and student experiments Field troubleshooting and fault detection

Compatibility & Integration USB 2.0 connectivity enables integration with standard test benches and computer-based measurement systems.

Features & description

From manufacturer datasheet

Built-in histogram function

Fluke 45 and Fluke 8808A code compatibility Technical Specifications Digits Of Resolution: 5.5 Basic DCV Accuracy: 0.015% Max Reading Rate: 190 readings/s Measurement Functions: DCV, DCI, True RMS ACV, ACI, 2- and 4-wire resistance, frequency, continuity, diode, capacitance, temperature Display: Ultra-bright OLED dual display Memory Points: up to 50,000 DCV Input Resistance Selectable High-Z Ranges: greater than 10 GOhm $\pm 2\%$ (100 mV, 1 V ranges) DCV Input Resistance Typical Other Ranges: 10 MOhm $\pm 2\%$ Input Protection HI Terminal: 1000 V on all ranges Continuity Threshold: 10 Ohm fixed Continuity Response: 165 samples/s with audible tone Diode Response: 190 samples/s with audible tone Diode Current Source: 0.5 mA constant current Temperature Sensor Class: 5 kOhm thermistor (YSI 4407 class) 2-wire ohms measurement DC CMRR: 140 dB for 1 kOhm unbalance in LO lead Remote Interfaces: USB 2.0, Serial RS-232, and GPIB options Code Compatibility: Fluke 45 and Fluke 8808A Histogram: Built-in Form Factor: Benchtop DMM Series Family: Keysight 34450A Software Note: BenchVue supported per OEM sheet Capacitance Measurement: Supported Frequency Measurement: Supported Notes From Keysight 34450A Multimeter data sheet. Per-range accuracy tables are in the full OEM sheet.

34450A Characteristics / Specifications

PARAMETER	VALUE
Digits Of Resolution	5.5
Basic DCV Accuracy	0.015%
Max Reading Rate	190 readings/s
Measurement Functions	DCV, DCI, True RMS ACV, ACI, 2- and 4-wire resistance, frequency, continuity, diode, capacitance, temperature
Display	Ultra-bright OLED dual display
Memory Points	up to 50,000
DCV Input Resistance Typical Other Ranges	10 MOhm ±2%
Input Protection HI Terminal	1000 V on all ranges
Continuity Threshold	10 Ohm fixed
Continuity Response	165 samples/s with audible tone
Diode Response	190 samples/s with audible tone
Diode Current Source	0.5 mA constant current
Temperature Sensor Class	5 kOhm thermistor (YSI 4407 class) 2-wire ohms measurement
DC CMRR	140 dB for 1 kOhm unbalance in LO lead
Remote Interfaces	USB 2.0, Serial RS-232, and GPIB options
Code Compatibility	Fluke 45 and Fluke 8808A
Histogram	Built-in
Form Factor	Benchtop DMM
Series Family	Keysight 34450A
Software Note	BenchVue supported per OEM sheet
Capacitance Measurement	Supported
Frequency Measurement	Supported

34450A Specifications

PARAMETER	VALUE
Agilent 34450A Digital Multimeter	Overview
Key Features	5.5-digit OLED dual display
Up to 190 readings/s	Up to 50,000 memory points for data logging
Technical Specifications	Digits Of Resolution: 5.5
Notes	From Keysight 34450A Multimeter data sheet. Per-range accuracy tables are in the full OEM sheet.

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
Digits Of Resolution	5.5
Basic DCV Accuracy	0.015%
Max Reading Rate	190 readings/s
Measurement Functions	DCV, DCI, True RMS ACV, ACI, 2- and 4-wire resistance, frequency, continuity, diode, capacitance, temperature
Display	Ultra-bright OLED dual display
Memory Points	up to 50,000
DCV Input Resistance Selectable High-Z Ranges: greater than 10 GOhm ±2% (100 mV, 1 V ranges)	
Specifications	
PARAMETER	VALUE
DCV Input Resistance Typical Other Ranges	10 MOhm ±2%
Input Protection HI Terminal	1000 V on all ranges
Continuity Threshold	10 Ohm fixed
Continuity Response	165 samples/s with audible tone
Diode Response	190 samples/s with audible tone
Diode Current Source	0.5 mA constant current
Temperature Sensor Class	5 kOhm thermistor (YSI 4407 class) 2-wire ohms measurement
DC CMRR	140 dB for 1 kOhm unbalance in LO lead
Remote Interfaces	USB 2.0, Serial RS-232, and GPIB options
Code Compatibility	Fluke 45 and Fluke 8808A
Histogram	Built-in
Form Factor	Benchtop DMM
Series Family	Keysight 34450A
Software Note	BenchVue supported per OEM sheet
Capacitance Measurement	Supported

PARAMETER	VALUE
-----------	-------

Frequency Measurement	Supported
-----------------------	-----------

Notes

From Keysight 34450A Multimeter data sheet. Per-range accuracy tables are in the full OEM sheet.

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.