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Data Sheet

August 6, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) 34405A Digital Multimeter 5 1/2 Digits

Keysight (Agilent) 34405A Digital Multimeter 5 1/2 Digits The Keysight/Agilent 34405A is a value-priced 5½-digit dual-display benchtop DMM with 120,000 counts and 0.025% 1-year DC voltage accuracy. Sixteen measurement functions including temperature (–80 °C to 150 °C) and capacitance (1000 pF to 10,000 µF). USB 2.0 with SCPI; math: Null, dBm, dB, MinMax, Limit, Hold. General industrial and education bench measurements; basic automated USB DMM logging. The Keysight/Agilent 34405A is a value-priced 5½-digit dual-display benchtop DMM with 120,000 counts and 0.025% 1-year DC voltage accuracy. Sixteen measurement functions including temperature (–80 °C to 150 °C) and capacitance (1000 pF to 10,000 µF). USB 2.0 with SCPI; math: Null, dBm, dB, MinMax, Limit, Hold. General industrial and education bench measurements; basic automated USB DMM logging.



MODEL

**Keysight / Agilent
34405A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34405A

LISTING

<https://aumictechlabs.com/products/34405a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight 34405A is a 5 1/2 digit digital multimeter delivering 120,000 counts of resolution for precision DC, AC, resistance, and specialized measurements across R&D, manufacturing, design validation, and educational environments. Built around a dual VFD display, It has simultaneous

readings with DC voltage accuracy of 0.025% and supports 16 built-in measurement functions including temperature, capacitance, diode test, and continuity. The instrument accommodates AC and DC current up to 12 A, frequency measurement to 750 V input, and temperature sensing from -80 °C to 150 °C using standard thermistor sensors. Six integrated math functions Null, dBm, dB, Min/Max, Limit, and Hold - enable post-measurement data manipulation without external tools.

Technical Specifications

DC Voltage: 100 mV to 1000 V at 0.025% accuracy; 10 M Ω input impedance with <120 pF parallel capacitance.

AC Voltage (True RMS): 100 mV to 750 V; 0.2% + 0.1% accuracy (45 Hz–10 kHz); 3 maximum crest factor at full scale; 20 Hz to 10 kHz frequency response.

DC Current: 10 mA to 12 A with shunt resistance from 0.1 Ω to 10 Ω across 10 mA to 1.2 A ranges.

AC Current (True RMS): 10 mA to 10 A; 0.5% + 0.1% accuracy (45 Hz–1 kHz); 20 Hz to 1 kHz frequency response.

Resistance: 2-wire measurement from 100 Ω to 100 M Ω ; 0.05% + 0.008% accuracy (100 Ω range with Math Null).

Frequency: 100 mV to 750 V measurement range; 0.18% + 0.003% accuracy (<2 Hz ranges).

Temperature: -80 °C to 150 °C via 2-wire ohms measurement of 5 k Ω thermistor sensors (YSI 4407).

Capacitance: 1 nF to 10,000 μ F; 2.0% + 0.8% accuracy (1.000 nF range).

Diode Test & Continuity: Diode mode uses 0.83 mA $\pm$ 0.2% constant current source with <5 V open circuit voltage; continuity fixed at 10 Ω threshold.

Key Features

- Dual VFD display for simultaneous parameter monitoring
- Reading rates to 19 readings/sec (DCV, DCI, ACV, ACI at 4.5 digits); 9 readings/sec for frequency
- USB 2.0 interface with TMC-488.2 compliance for automated testing and data logging
- Industry-standard SCPI command set for remote instrument control
- Shock-absorbing bumpers for field durability
- Compliance with major safety and regulatory standards

Typical Applications

- Component and module validation in design verification workflows
- Production test and incoming component acceptance
- Laboratory measurement and characterization
- Educational electronics and electrical engineering instruction

Compatibility & Integration

USB 2.0 connectivity supports Keysight IO Library Suite and DMM Intuilink software for data acquisition, logging, and analysis workflows without additional hardware adapters.

Features & description

From manufacturer datasheet

Features

- Resolution: 5½ digit; 120,000 counts • Basic DCV accuracy: 0.025% (1-year) • Functions: DCV, DCI, true-RMS ACV/ACI, 2-wire Ω , frequency, diode, continuity, temperature, capacitance • Capacitance: 1000 pF to 10,000 μ F • Temperature: -80 °C to 150 °C • Math: Null, dBm, dB, Min/Max/Avg, Limit, Hold
- Interface: USB 2.0; SCPI; IntuiLink / IO Libraries • Dual display

34405A Characteristics / Specifications

PARAMETER	VALUE
Model	34405A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Digital Multimeter
Alias	34405A; Agilent 34405A Accuracy / Functions 0.025% 1-year DCV; 16 built-in functions includingCand temperature Operational Notes Prefer Agilent 34405A datasheet. USB-centric (no GPIB standard).
Resolution	5½ digit; 120,000 counts
Basic DCV accuracy	0.025% (1-year)
Functions	DCV, DCI, true-RMS ACV/ACI, 2-wire Ω, frequency, diode, continuity, temperature, capacitance
Capacitance	1000 pF to 10,000 μF
Temperature	−80 °C to 150 °C
Math	Null, dBm, dB, Min/Max/Avg, Limit, Hold
Interface	USB 2.0; SCPI; IntuiLink / IO Libraries

34405A Specifications

PARAMETER	VALUE
Key Features	- Resolution: 5½ digit; 120,000 counts
Technical Specifications	Model: 34405A
Accuracy / Functions	0.025% 1-year DCV; 16 built-in functions including C and temperature
Operational Notes	Prefer Agilent 34405A datasheet. USB-centric (no GPIB standard).

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	34405A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Digital Multimeter
Alias	34405A; Agilent 34405A

Accuracy / Functions

0.025% 1-year DCV; 16 built-in functions includingCand temperature

Operational Notes

Prefer Agilent 34405A datasheet. USB-centric (no GPIB standard).

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.