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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 34465A

Agilent Keysight 34465A Truevolt Digital Multimeter The Agilent/Keysight 34465A isaTruevolt digital multimeter with 6.5 digits of resolution and 30 ppm basic 1-year DCV accuracy. OEM Truevolt datasheets list DCV/ACV from 100 mV to 1000 V, USB/LAN interfaces, and graphical trend/histogram displays. Bench and system DCV/ACV/resistance/current measurements, temperature logging, and production test needing Truevolt accuracy and digitizing options on higher models. Truevolt graphical display with histograms The Agilent/Keysight 34465A isaTruevolt digital multimeter with 6.5 digits of resolution and 30 ppm basic 1-year DCV accuracy. OEM Truevolt datasheets list DCV/ACV from 100 mV to 1000 V, USB/LAN interfaces, and graphical trend/histogram displays. Bench and system DCV/ACV/resistance/current measurements, temperature logging, and production test needing Truevolt accuracy and digitizing options on higher models. Truevolt graphical display with histograms Reading Memory: 50000 std / 2 million opt



MODEL

**Agilent / Keysight
34465A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34465A

LISTING

<https://aumictechlabs.com/products/34465a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight 34465A is a 6½ digit digital multimeter engineered with Truevolt technology to deliver measurement accuracy and noise rejection in demanding test environments. Its patented analog-to-digital converter architecture minimizes extraneous factors AC ripple, power line noise,

injected current, and input bias current - ensuring high-confidence results across electronics testing, research, and manufacturing applications.

Technical Specifications

Resolution: 6½ digits

Display: 4.3-inch color graphical display with dual-line capability; supports Number, Histogram, Bar Chart, and Trend Chart modes

Measurement Rate: Up to 50,000 readings/second

Memory: Standard 50,000 readings; optional 3446MEMU module provides 2 million readings

DC Voltage: 100 mV to 1,000 V with basic 1-year accuracy of 30 ppm (0.003%); DC voltage accuracy 0.005%

AC Voltage (RMS): 100 mV to 750 V with 0.05% accuracy

DC Current: 100 µA to 10 A with dedicated 1 µA range providing picoampere resolution for low-power device measurements

AC Current: 100 µA to 10 A

Resistance: 100 Ω to 1 GΩ in 2-wire and 4-wire configurations

Capacitance: 1.0 nF to 100.0 µF

Frequency and Period: 3 Hz to 300 kHz

Temperature Measurement: RTD/PT100, thermistors, and thermocouples

Additional Functions: Continuity test, diode test (up to 5 V)

Key Features

Auto-calibration (ACAL) compensates for temperature drift and maintains measurement accuracy over time

Truevolt technology accounts for real-world signal imperfections and measurement errors

Continuous, Data Log, and Digitize capture modes for flexible measurement workflows

Histogram, Bar Chart, and Trend Chart modes enable statistical and trend analysis

ISO/IEC 17025 compliance; specifications tested and guaranteed per industry standards

SCPI compatibility maintained across previous model generations

Typical Applications

Electronics testing, research laboratories, manufacturing quality assurance, low-power device characterization, and precision voltage/current verification.

Compatibility & Integration

SCPI-compatible interface enables integration into automated test systems and data acquisition workflows.

34465A Characteristics / Specifications

PARAMETER	VALUE
Digits Of Resolution	6.5
Basic 1 Year DCV Accuracy	30 ppm
Maximum Reading Rate	50000 rdgs/s
Reading Memory	50000 std / 2 million opt
DCV Range	100 mV to 1000 V
ACV Range	100 mV to 1000 V
DCI Range	1 uA to 10 A
ACI Range Class	100 uA to 10 A class model dependent
Resistance Maximum	1000 MOhm
Frequency Period Range	3 Hz to 300 kHz
Capacitance Range	1.0 nF to 100.0 uF
Diode Test Full Scale	5 V
Temperature	RTD/PT100 thermistor thermocouples
Continuity	Supported
Display	Color graphical
Rear Input Terminals	Yes
Remote Interfaces	USB and LAN
Series Family	Keysight Truevolt DMM
AC RMS Technique	Digital direct sampling Truevolt
Crest Factor Capability Class	up to 10 without additional error terms class
Form Factor	Bench half-rack class

34465A Specifications

PARAMETER	VALUE
Agilent Keysight 34465A Truevolt Digital Multimeter	Overview
Technical Specifications	Digits Of Resolution: 6.5
Notes	From Keysight Truevolt Digital Multimeters datasheet/fact sheet rows for 34465A (5991-1983 / 5991-2110 family).

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	6.5
Basic 1 Year DCV Accuracy	30 ppm
Maximum Reading Rate	50000 rdgs/s
Reading Memory	50000 std / 2 million opt
DCV Range	100 mV to 1000 V
ACV Range	100 mV to 1000 V
DCI Range	1 uA to 10 A
ACI Range Class	100 uA to 10 A class model dependent
Resistance Maximum	1000 MOhm
Frequency Period Range	3 Hz to 300 kHz
Capacitance Range	1.0 nF to 100.0 uF
Diode Test Full Scale	5 V
Temperature	RTD/PT100 thermistor thermocouples
Continuity	Supported
Display	Color graphical
Rear Input Terminals	Yes
Remote Interfaces	USB and LAN
Optional GPIB: Available	
Specifications	
PARAMETER	VALUE
Series Family	Keysight Truevolt DMM
AC RMS Technique	Digital direct sampling Truevolt
Crest Factor Capability Class	up to 10 without additional error terms class
Form Factor	Bench half-rack class
Notes	
From Keysight Truevolt Digital Multimeters datasheet/fact sheet rows for 34465A (5991-1983 / 5991-2110	

family).

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.