

Keysight Technologies

34450A

5.5 Digit Bench Digital Multimeter



Turbo charge your measurements with one of the fastest throughput digital multimeter in its class



Features

- Fast reading speed of up to 190 readings/sec
- 0.015% DCV accuracy
- Multiple connectivity options – USB 2.0, Serial Interface (RS-232) and GPIB
- 11 measurement functions; DC voltage & current, True RMS AC voltage & current, 2- and 4-wire resistance, frequency, continuity, diode test, capacitance and temperature
- Ultra-bright OLED with dual display capability
- Up to 50,000 memory points for data logging
- Built-in Histogram function
- With Fluke 45 and Fluke 8808A code compatibility

Read your measurements effortlessly via a bright OLED display

Turbo Charge Your DMM Measurements

Fast, efficient and multipurpose, the Keysight Technologies, Inc. 34450A 5.5 Digit Bench Digital Multimeter comes with true capability to help you accomplish more in your demanding electronic test and measurement applications.

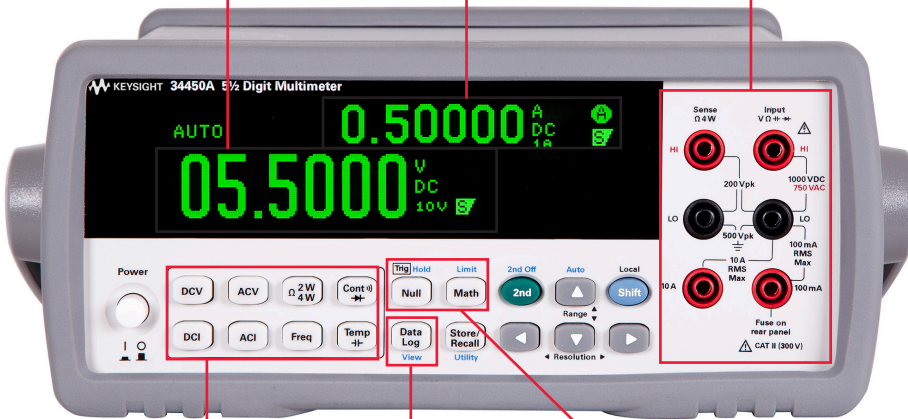
The 34450A is designed with speed, accuracy and confidence in mind. With its high speed of up to 190 readings per second, you are able to increase your test throughput tremendously. Now you can get trustworthy and accurate measurements with the 0.015% DCV accuracy, essential to meet general industrial and educational needs. Multiple connectivity options such as USB 2.0, Serial Interface (RS-232) and GPIB lets you transfer and analyze data on a PC when needed. These provide more flexibility to enable you to work more efficiently leading to higher productivity.

Looking to increase productivity and quality functions, the 34450A provides a more intuitive and easy to use tool to collect production test results. Simplify your day-to-day task with up to 50,000 memory points allowing you to capture and log up to 14 hours of data. Built-in with histogram and basic statistical functions, you can perform simple data analysis within the unit itself, especially useful when a PC is not available or convenient. On top of that, upgrading your obsoleted DMM is made easy with minimal changes to test program – with industry-standard SCPI commands, Fluke 45 and Fluke 8808A commands ensuring both forward and backward compatibility.

Fast 190 readings/sec and 0.015% DCV accuracy to help you achieve throughput breakthrough

5.5 digit OLED dual display allows clear and quick view on measurements

Input terminals



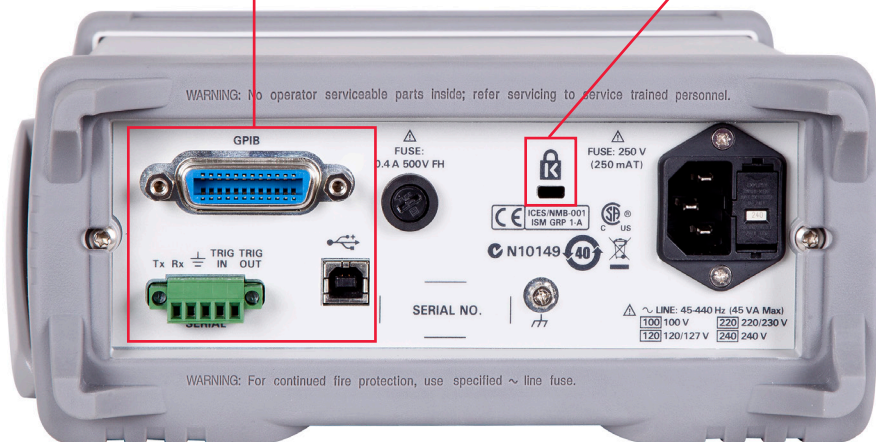
11 measurement functions; DC voltage & current, True RMS AC voltage & current, frequency, continuity, diode test, capacitance and temperature

Up to 50,000 memory points for data logging and histogram function

Built-in math functions

Multiple choices of connectivity and trigger in/out capability for production data analysis

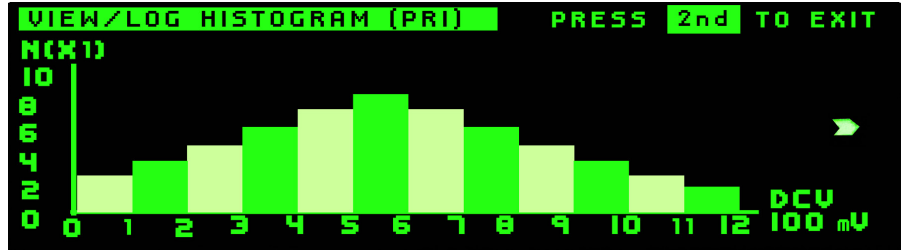
Kensington lock to better secure the unit



Ideal for Your Applications

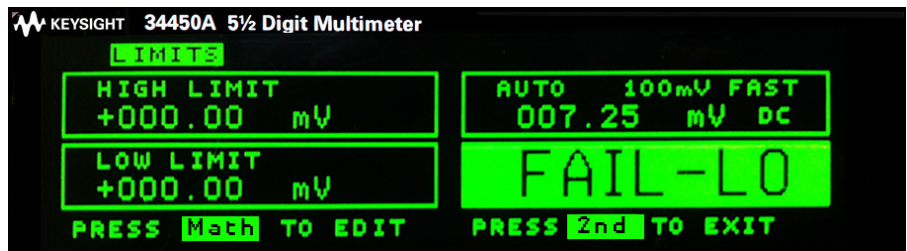
Histogram

The 34450A's built-in histogram function enhances your productivity as it highlights basic statistical information from data logged, such as central location, width of spread and shape. Both manufacturing and education customers benefit from these information to monitor DUT performance effectively. Also, save setup and configuration time as you are able to log more data and view results faster using the primary and secondary display.



Limit testing

Limit test is a value-added feature of the 34450A. It is a 4 quadrant display of limit test details consisting of user defined high and low limit, measurement, and graphical display of pass and fail (Fail-hi and fail-lo). When the limit operation is enabled, user gets instant notification if a measurement result falls outside the high or low limits that was established prior to making a series of measurements. With the graphical pass and fail identification you see the results almost instantaneously.



One-page menu

Experience easy navigation and quick setup with one-page menu as opposed to multi-level menu which sometimes extends setup time. With the flexibility to see and change the settings in one page, you can perform your tests sooner to increase productivity.



Specifications

| | |
|--------------------------|---|
| Display | OLED with dual display |
| Resolution | 5 ½ |
| Operating specifications | |
| Measurement speed | 190 readings/sec |
| Accuracy | 0.015% for DCV |
| Measurement functions | DVC, DCI, True RMS ACV AND ACI 2 wire and 4 wire measurement Diode, continuity Frequency Capacitance Temperature |
| Math functions | Null Hold Min/Max/Average dB, dBm Limit test |
| Data management | |
| Memory | Up to 50,000 readings ¹ |
| Histogram | Yes |
| Front panel data logging | Yes |
| Remote control | |
| Interface | USB 2.0 (TMC-488.2), Serial Interface (RS-232), GPIB ¹ |
| Programming language | SCPI, IEEE488.1, IEEE488.2, Fluke 45 and Fluke 8808A |
| Software | Keysight IO Library Suite |
| Drivers | IVI-COM |
| Security features | Kensington lock Front panel key pad lock |

1. License upgrades available

Standard Shipped Accessories

- Test lead set
- Power cord
- USB interface cable
- Quick Start Guide
- Certification of calibration
- Product Reference CD
- Keysight IO Library Suite CD-ROM

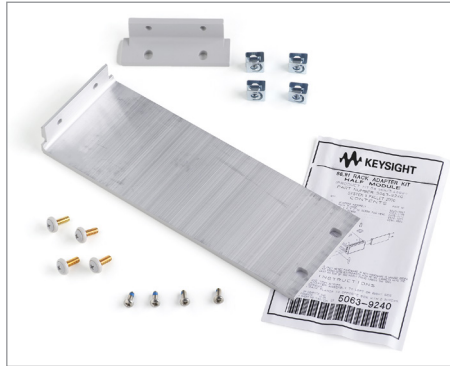
Upgradable Options

- 3445GPBU - GPIB connectivity upgrade
- 3445MEMU - 50,000 memory points upgrade for data logging

Keysight Optional Accessories



34138A test lead set



34190A rackmount kit



82350B PCI high-performance GPIB interface card



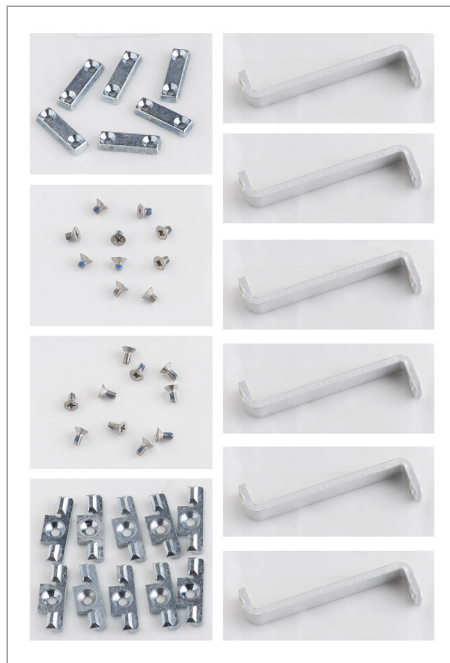
E2308A thermistor temperature probe



34191A 2U dual flange kit



10833A/B/C/D/F/G GPIB cable in various lengths (0.5 m, 1 m, 2 m, 4 m, 5 m, 6 m, and 8 m)



34194A dual lock link kit



82357B USB/GPIB interface high-speed USB 2.0