DM34460A/61A 6.5 Digits Dual-Display Digital Multimeters

Measure with Confidence

Keysight's DM34460A Series Truevolt Digital Multimeters (DMMs) provide reliable measurements with high levels of accuracy, speed, and data security. The Truevolt technology enables you to measure with confidence by eliminating power lines and environmental noise, ensuring precise measurements and providing responsive operation.



Figure 1. Keysight DM34460A/61A 6.5 digits dual-display digital multimeters

	DM34460A	DM34461A
Key specification		
Digits of resolution	6.5	6.5
1-year DCV accuracy	40 ppm	40 ppm
Max reading rate	1,000 readings/s	50,000 readings/s
Memory	50,000 readings	2 million readings
NISPOM and file security	Yes	Yes
Data logging	Yes	Yes
Dual line display	Yes	Yes
Display	7" Color, Graphical	7" Color, Graphical
Statistical graphics	Bar meter	Bar meter, histogram, trend chart
Measurements		
DCV	100 mV to 1 ,000 V	100 mV to 1 ,000 V
ACV (RMS)	100 mV to 750 V	100 mV to 750 V
DCI	100 µA to 3 A	100 µA to 3 A
ACI	100 µA to 3 A	100 µA to 3 A
2- and 4-wire resistance	100 Ω to 100 MΩ	100 Ω to 100 MΩ
Continuity, diode	Y, 5 V	Y, 5 V
Frequency, period	3 Hz to 300 kHz	3 Hz to 300 kHz
Temperature	RTD/PT100, thermistor	RTD/PT100, thermistor
Capacitance	1 nF to 100 µF	1 nF to 100 µF
IO interface		
USB	Yes	Yes
LAN/LXI core	Yes	Yes

Option	Description
EDU190A	Instrument Stacking Kit



7-inch color display enhances UX for data acquisition and charting

The large display's dedicated acquisition buttons and soft keys simplify the configuration and initiation of a data logging or digitizing session. Several display options are available, allowing you to view the instantaneous reading, plot a trend, or create a histogram for statistical analysis. You may save up to 2 million readings into the internal memory or onto a thumb drive for further analysis.

Measure with Confidence

Trust the accuracy of your results

- 0.0040% one-year DCV accuracy
- Memory capacity of up to 2 million readings
- *True*volt technology for noise-free true measurement

Easy-to-use front panel

- 7-inch dual-measurement color display
- Reading speed of up to 50K with a digitizer for graphing trend charts

Versatile measurement capability

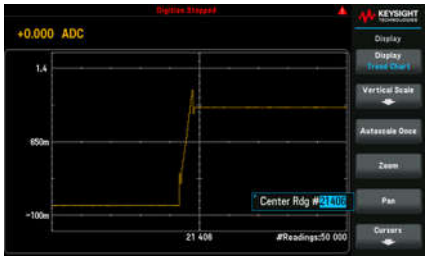
- DC voltage
- DC current
- True RMS AC voltage
- AC current
- Two- and four-wire resistance
- Frequency
- Continuity
- Diode test
- Temperature
- Capacitance

Measure with True*volt* confidence



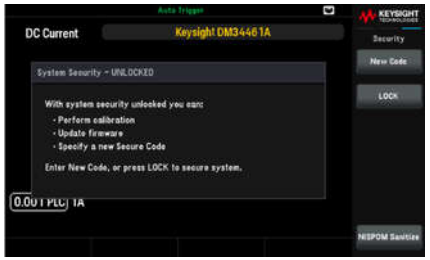
Truevolt technology begins with an analog-to-digital converter, enabling a patented metrology-grade architecture. Using this architecture, Keysight delivers a good balance of measurement resolution, linearity, accuracy, and speed at a value price.

Accurate and fast measurement



The DM34461A's digitizing feature enables you to capture voltage or current transients in power applications at a programmable digitizing speed of up to 50 k samples/s without requiring an additional instrument.

Data security in mind



The DM34460A Series' NISPOM and file security capability enable you to sanitize all user-accessible instrument memory with a press of a button

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.

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