

Truevolt DMMs: 34460A, 34461A, 34465A, 34470A

Keysight's Truevolt DMMs offer a full range of measurement capabilities and price points in both 6½ and 7½ digit models

The 34465A and 34470A also offer higher levels of accuracy, speed, and resolution. Measure your signals with confidence.



You can measure your real-world signals with confidence



All Truevolt DMM specifications are tested and guaranteed for compliance with ISO/IEC 17025 standards so you can prove the effectiveness of your lab or production line's quality management system. Many lower-cost DMMs in this class do not carry a guarantee of their measurement specifications.

Key features and benefits of 34465A/70A

Get more insight quickly: Truevolt DMM's graphical capabilities such as trend and histogram charts offer more insights quickly. Both models also provide a data logging mode for easier trend analysis and a digitizing mode for capturing transients.

Measure low-power devices: The ability to measure very low current, 1 μ A range with pA resolution, allows you to make measurements on very low power devices.

Maintain calibrated measurements: Auto calibration allows you to compensate for temperature drift so you can maintain measurement accuracy throughout your workday. accessories ensure maximum accuracy.

Key characteristics of 34465A/70A

- Resolutions up to 7½ digits
- Reading rates up to 50,000 readings/s
- Memory up to 2 million readings
- Voltage ranges from 100 mV to 1,000 V
- Current ranges from 1 μ A to 10 A
- USB and LAN interfaces, optional GPIB
- BenchVue software included

Features	34460A	34461A	34465A	34470A
Key specifications				
Digits of resolution	6½	6½	6½	7½
1 year DCV accuracy	75 ppm	35 ppm	30 ppm	16 ppm
Max reading rate	300 rdgs/s	1,000 rdgs/s	50,000 rdgs/s	50,000 rdgs/s
Memory	1,000 rdgs	10,000 rdgs	50,000 rdgs std 2 million rdgs opt	50,000 rdgs std 2 million rdgs opt
Measurements				
DCV, ACV	100 mV to 1,000 V	100 mV to 1,000 V	100 mV to 1,000 V	100 mV to 1,000 V
DCI	100 µA to 3 A	100 µA to 10 A	1 µA to 10 A	1 µA to 10 A
ACI	100 µA to 3 A	100 µA to 10 A	100 µA to 10 A	100 µA to 10 A
2- and 4-wire resistance	100 Ω to 100 MΩ	100 Ω to 100 MΩ	100 Ω to 1,000 MΩ	100 Ω to 1,000 MΩ
Continuity, diode	Y, 5 V	Y, 5 V	Y, 5 V	Y, 5 V
Frequency, period	3 Hz to 300 kHz	3 Hz to 300 kHz	3 Hz to 300 kHz	3 Hz to 300 kHz
Temperature	RTD/PT100, thermistor	RTD/PT100, thermistor	RTD/PT100, thermistor, thermocouples	RTD/PT100, thermistor, thermocouples
Capacitance	1.0 nF to 100.0 µF	1.0 nF to 100.0 µF	1.0 nF to 100.0 µF	1.0 nF to 100.0 µF
Dual line display	Yes	Yes	Yes	Yes
Display	Color, graphical	Color, graphical	Color, graphical	Color, graphical
Statistical graphics	Histogram, bar chart	Histogram, bar chart, trend chart	Histogram, bar chart, trend chart	Histogram, bar chart, trend chart
Rear input terminals	No	Yes	Yes	Yes
IO interface				
USB	Yes	Yes	Yes	Yes
LAN/LXI Core	Optional	Yes	Yes	Yes
GPIB	Optional	Optional	Optional	Optional

Option/upgrade description	Applicable models	Product option, factory installed	Product upgrade, user installed
Add GPIB interface	All	-GPB	3446GPBU
Enable NISPOM and file security	All	-SEC	3446SECU
Certificate of calibration: ANSI/ NCSL Z540.3-2006	All	-Z54	N/A
Enable LAN interface and external triggering	34460A	-LAN	3446LANU
Add accessory kit, includes test leads, USB cable	34460A	-ACC	3446ACCU
Enable 2 million readings memory	34465A/70A	-MEM	3446MEMU

Please consult with your distributor for final pricing.

Keysight also offers a number of accessories, economical handhelds, a high-performance 8½ digit 3458A DMM, and the L4411A 6½ digit DMM in a modular format.

www.keysight.com/find/alldmm

For more information on Keysight's Truevolt DMMs, please visit: www.keysight.com/find/truevolt

For more information on software to control, capture and view DMMs as well as other Keysight instruments with a single click, please visit: www.keysight.com/find/benchvue

Keysight Services

www.keysight.com/find/service

Keysight Services can help from acquisition to renewal across your instrument's lifecycle. Our comprehensive service offerings—one-stop calibration, repair, asset management, technology refresh, consulting, training and more—helps you improve product quality and lower costs.

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