

True volt Digital Multimeters

Lower DC current ranges and faster reading rates, allows enhanced measurements

Get more details quickly. True volt digital multimeters (DMMs) graphical capabilities, such as trend and histogram charts, offer more details quickly. Both models include 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 µA 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.

34460A/34461A Basic True volt DMMs

- Up to 1,000 readings/s at 41/2 digits
- 12 measurement functions including temperature
- Up to 10 k readings internal memory
- Color, graphical display, with built-in graphics, math, and statistics
- 34461A DMM is a replacement for the previous-generation 34401A model



34465A / 34470A Performance True volt DMMs

- DCV measurement accuracy of 30 ppm
- Measure sleep and standby current with pico-amp resolution
- View DC and AC volts with dual display
- 1 μA range and up to 50,000 rdgs/sec



	Bench / System		Performance	
	34460A	34461A	34465A	34470A
Digits of resolution	6½	6½	6½	7½
1 year DCV accuracy	0.0075%	0.0035%	0.0030%	0.0016%
Maximum measurement speed (readings/s)	300	1,000	5,000 std / 50,000 opt	5,000 std/ 50,000 opt
DC, True RMS AC voltage ranges	100 mV - 750 V	100 mV - 750 V	100 mV - 750 V	100 mV — 750 V
DC, True RMS AC current ranges	100 μA — 3 A	100 μA — 10 A	1 μΑ — 10 Α	1 μA — 10 A
2- and 4-wire resistance ranges	100 Ω – 100 ΜΩ	100 Ω – 100 ΜΩ	100 Ω – 1 GΩ	100 Ω – 1 GΩ
Frequency range	3 Hz — 300 kHz	3 Hz — 300 kHz	3 Hz — 300 kHz	3 Hz — 300 kHz
Diode/continuity	5 V / yes	5 V/yes	5 V / yes	5 V / yes
Other measurements	Capacitance, temperature, period			
Connectivity	USB, LAN (opt), and GPIB (opt)	USB, LAN, and GPIB (opt)		