Product Fact Sheet
Keysight 34450A, 34460A, 34461A, 34401A, 34410A, 34411A Digital Multimeters

Keysight Technologies, Inc. DMMs offer uncompromised performance on the bench and in a system rack.
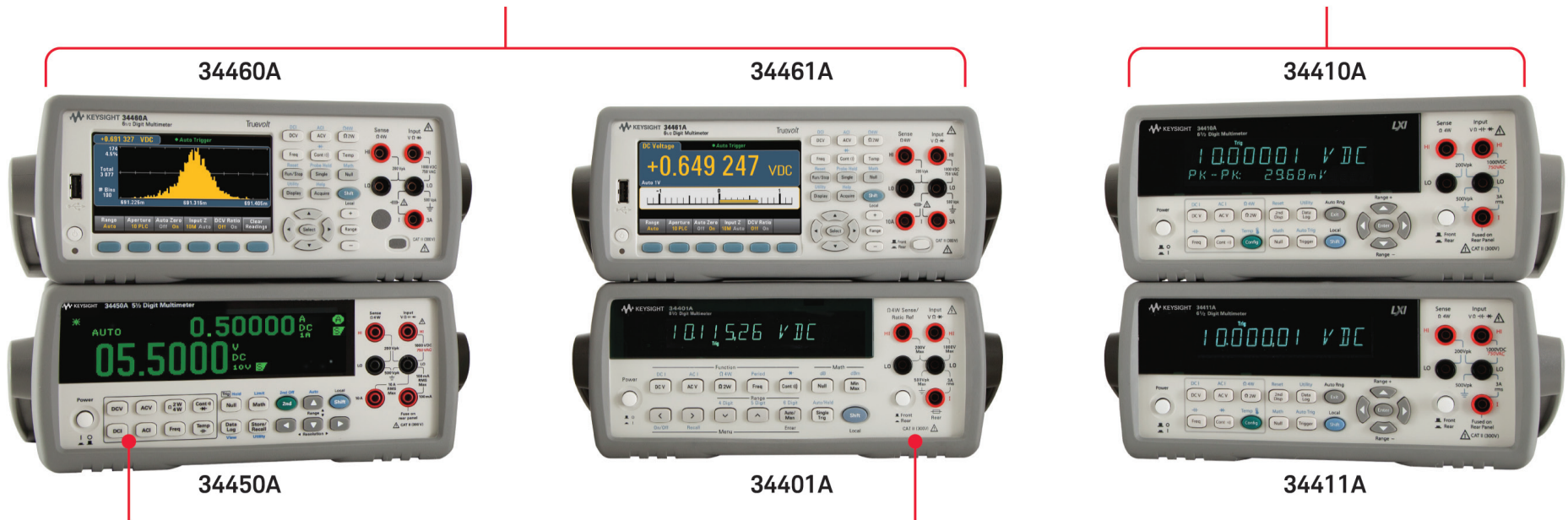
34460A and 34461A 6½ digit Truevolt DMMs

The default solution for R&D and most manufacturing test applications. The right balance of accuracy, speed, flexibility, and price value.

– Display DMM results in ways you never have before
– Measure with unquestioned Truevolt confidence
– Move to the next generation 34401A DMM with 100% assurance

34410A/34411A 6½ Digit DMMs

– Keysight's highest performance 6½ digit DMMs
– Ideal for high speed test, highest measurement accuracy, or digitizing application needs

34460A   **34461A**   **34410A**

34450A   **34401A**   **34411A**

34450A 5½ digit DMM

Ideal for cost sensitive manufacturing and education

– Keysight's fastest 5½ digit DMM with ultra-bright OLED display
– Multi-purpose; built-in basic statistical and math functions

34401A 6½ digit DMM

– Industry leading 6½ digit DMM, now replaced by the 34461A

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Upgrade product	Product option	Applicable model	Description
3445GPBU	-800	34450A	Enable GPIB connectivity (through software licensing)
3445MEMU	-801	34450A	50k memory for data logging (through software licensing)
N/A	-UKC	34450A	Commercial calibration certificate with test data included
3446LANU	-LAN	34460A	Enable rear panel LAN/LXI web interface, external triggering for 34460A
3446SECU	-SEC	34460A, 34461A	Enable NISPOM and file security for Truevolt series DMMs
3446GPBU	-GPB	34460A, 34461A	GPIB user installable interface module for Truevolt series DMMs
3446ACCU	-ACC	34460A	Accessory kit for 34460A – documentation CDs, test leads, USB cable
N/A	-Z54	34460A, 34461A	Certificate of calibration – ANSI/NCSL Z540.3-2006, printed

Product specifications

Features	34450A	34460A	34461A	34401A	34410A/34411A
Digits of resolution	5½	6½	6½	6½	6½
1 year DCV accuracy	150 ppm	75 ppm	35 ppm	35 ppm	30 ppm
Max reading rate	190 rdgs/s	300 rdgs/s	1000 rdgs/s	1000 rdgs/s	10 k/50 k rdgs/s
Memory	5000 rdgs Option: 50 k rdgs	1000 rdgs	10,000 rdgs	512 rdgs	50 k/1 M rdgs
Measurements					
DCV, ACV	100 mV to 1000 V	100 mV to 1000 V	100 mV to 1000 V	100 mV to 1000 V	100 mV to 1000 V
DCI, ACI	100 µA to 10 A, 10 A	100 µA to 3 A	100 µA to 10 A, 10 A	10 mA to 3 A	100 µA to 3 A
2- and 4-wire resistance	100 Ω to 100 MΩ	100 Ω to 100 MΩ	100 Ω to 100 MΩ	100 Ω to 100 MΩ	100 Ω to 1 GΩ
Continuity, diode	Y, 1 V	Y, 5 V	Y, 5 V	Y, 1 V	Y, 1 V
Frequency, period	20 Hz to 300 kHz	3 Hz to 300 kHz	3 Hz to 300 kHz	3 Hz to 300 kHz	3 Hz to 300 kHz
Temperature	Thermistor	RTD/PT100, thermistor	RTD/PT100, thermistor	N/A	RTD, thermistor
Capacitance	Yes	N/A	No	No	Yes
Dual line display	Yes	No	No	No	Yes
Display	OLED	Color, graphical	Color, graphical	Vacuum fluorescent	Vacuum fluorescent
Graphics	Histogram	Histogram, bar chart	Histogram, bar chart, trend	N/A	N/A
Rear input terminals	No	No	Yes	Yes	Yes
IO interface					
USB	Yes	Yes	Yes	No	Yes
LAN/LXI CORE	No	Optional	Yes	No	Yes
GPIB	Optional	Optional	Optional	Yes	Yes
RS-232	Serial interface	No	No	Yes	No

Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

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/dmms

For more information on the 34450A, please visit: www.keysight.com/find/34450A

For more information on the 34460A and 34461A, please visit: www.keysight.com/find/Truevolt

For more information on software to control, capture and view the Keysight DMMs on your bench with a single click, please visit: www.keysight.com/find/DMMutilitysoftware

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