

Product Fact Sheet

Agilent 34450A, 34460A, 34461A, 34401A, 34410A, 34411A Digital Multimeters



Agilent DMMs offer uncompromised performance on the bench and in a system rack.

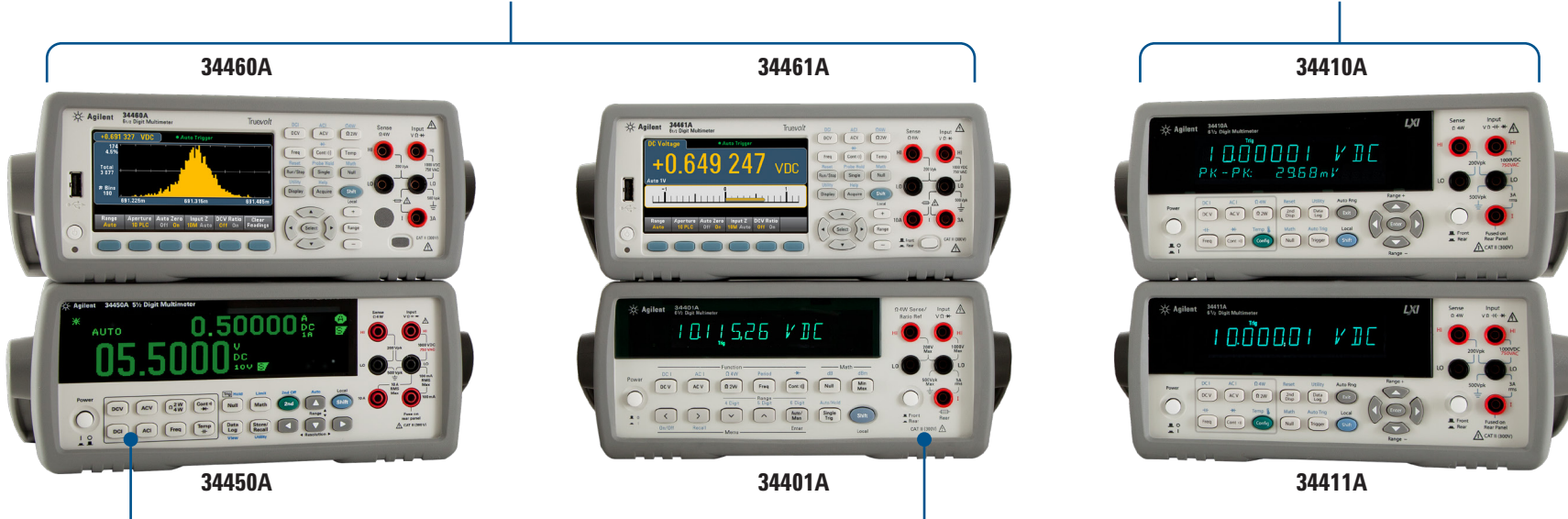
34460A and 34461A 6½ digit Truevolt DMMs

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

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



34450A 5½ digit DMM

Ideal for cost sensitive manufacturing and education

- Agilent'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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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 | 10k/50k rdgs/s |
| Memory | 5000 rdgs Option: 50k rdgs | 1000 rdgs | 10,000 rdgs | 512 rdgs | 50k/1M 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, 1V | Y, 5 V | Y, 5 V | Y, 1V | Y, 1V |
| 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 |
| GPIO | Optional | Optional | Optional | Yes | Yes |
| RS-232 | Serial interface | No | No | Yes | No |



www.agilent.com/find/ThreeYearWarranty

Agilent's combination of product reliability and three-year warranty coverage is another way we help you achieve your business goals: increased confidence in uptime, reduced cost of ownership and greater convenience.

Recommended service options

Additional two years of Return-to-Agilent warranty
 Additional two years of Return-to-Agilent calibrations
 For more information go to www.agilent.com/find/removealldoubt

| 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/NCCL Z540.3-2006, printed |

Agilent 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.agilent.com/find/dmms

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

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

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

