

Agilent Digital Multimeters



Anticipate — Accelerate — Achieve



Agilent Technologies

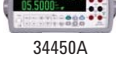
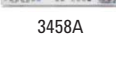
Designed to handle your toughest assignments in various applications

Agilent's digital multimeters lead the industry in speed and accuracy and have a proven track record for reliability. Our digital multimeters offer exceptional performance and ease of use provided by intuitive front panels and standards-based programming interfaces.

From a bench top to a test rack to a handheld, there's an Agilent digital multimeter that's right for the job.



Index

Model No.	Description	Digits of resolution	Measurement speed (reading/s)	Basic measurements	Connectivity & Software	Page:
 U3401A/U3402A	Benchtop DMM, dual display Elegantly simple and affordable DMMs with basic and good capabilities	4½ (U3401A) 5½ (U3402A)	N/A	DC, true RMS AC, AC+DC voltage and current, 2-wire resistance (and 4-wire resistance for U3402A), frequency, diode, continuity	N/A	4, 5
 U3606A	DMM and DC power supply in one box Halves bench/rackspace need for two instruments	5½	37	DC and true RMS AC voltage and current, 2- and 4-wire resistance, capacitance, frequency, diode test, continuity. 30-W dual-range output 30 V/1 A and 8 V/3 A with OVP/OC, auto scan/ramp and square wave generator	USB 2.0, GPIB	6, 7
 34401A	Benchtop DMM Industry standard for accuracy, speed, measurement ease and versatility	6½	1000	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency and period, continuity, diode test	GPIB, RS-232, Intuilink software-provides a toolbar in Microsoft® Word and Excel to import multimeter data for further analysis	8, 9
 34405A	Benchtop DMM, dual display Low-cost DMM with accuracy, speed and versatility	5½	19	DCV, ACV, DCI, ACI, 2-wire resistance, frequency and period, continuity, diode test, capacitance, temperature	USB 2.0, Intuilink software-provides a toolbar in Microsoft Word and Excel to import multimeter data for further analysis	10, 11
 34410A/34411A	Benchtop DMM, dual display Highest through-put of benchtop DMMs, best choice for system use	6½	10,000 (for 34410A) 50,000 (for 34411A)	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency and period, continuity, diode test, capacitance, temperature	LAN, USB 2.0, GPIB plus LXI class C compliant, Intuilink software-provides a toolbar in Microsoft Word and Excel to import multimeter data for further analysis	12, 13
 34420A	Nano volt/mΩ meter Very accurate, low-level measurements	7½	250	DCV, DCI, 2- and 4-wire resistance, 2 channel scanning, temperature	GPIB, RS-232, Intuilink software	14, 15
 34450A	5.5 digit bench digital multimeter	5½	190	DC voltage and current, True RMS AC voltage and current, 2- and 4-wire resistance, frequency, continuity, diode test, capacitance and temperature	USB 2.0, Serial Interface (RS-232) and GPIB	16, 17
 3458A	Benchtop DMM The fastest, most flexible and most accurate multimeter by Agilent Ideal multimeter for demanding applications	8½	100000 (@ 4½ digits)	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency and period, temperature	GPIB	19, 20
 U1190 Series	Handheld DMM Illuminate test area and measure in safer manner	3½	3	ACV, DCV, DCI, ACI, resistance, capacitance, diode test, temperature, frequency, continuity	N/A	21, 22
 U1210 Series	Handheld clamp meter For convenient high current measurements	3½	7	DCV, ACV, DCI, ACI, 2-wire resistance, capacitance, temperature, frequency, diode test, continuity	IR-USB, <i>Bluetooth</i> ®	23, 24
 U1230 Series	Handheld DMM Retool your expectations with the new Agilent U1230 Series handheld DMM	3½	5	DCV, ACV, DCI, ACI, resistance, capacitance, diode test, temperature, frequency, continuity	IR-USB, <i>Bluetooth</i>	25, 26
 U1240 Series	Handheld DMM Feature-rich and robust DMMs	4	7	DCV, DCI, ACV, ACI, 2-wire resistance, frequency, capacitance, continuity, switch counter, harmonic ratio, temperature, diode test, 4-20 mA % scale	IR-USB, <i>Bluetooth</i>	27, 28
 U1250 Series	Handheld DMM Versatile, high performance DMMs	4½	7	DCV, DCI, ACV, ACI, 2-wire resistance, frequency, capacitance, continuity, diode test, dB, temperature, frequency counter, 4-20 mA % scale	IR-USB, <i>Bluetooth</i>	29, 30
 U1270 Series	Handheld DMM More functionality in a single tool	4½	7	DCV, DCI, ACV, ACI, 2-wire resistance, frequency, capacitance, continuity, diode test, dB, temperature, 4-20 mA % scale	IR-USB, <i>Bluetooth</i>	31, 32
 U1401B	Handheld multi-function calibrator/meter Calibrator and DMM in one tool	4½	3	DCV, ACV, DCI, ACI, 2-wire resistance, temperature, frequency, diode test, continuity, pulse width, duty cycle	IR-USB	33, 34
 U2741A	USB Modular DMM Compact, with plug-and-play simplicity	5½	100	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency and period, continuity, diode test, temperature	USB 2.0	35, 36
Accessories compatibility chart						37, 38

Basic + Good = Elegant Simplicity



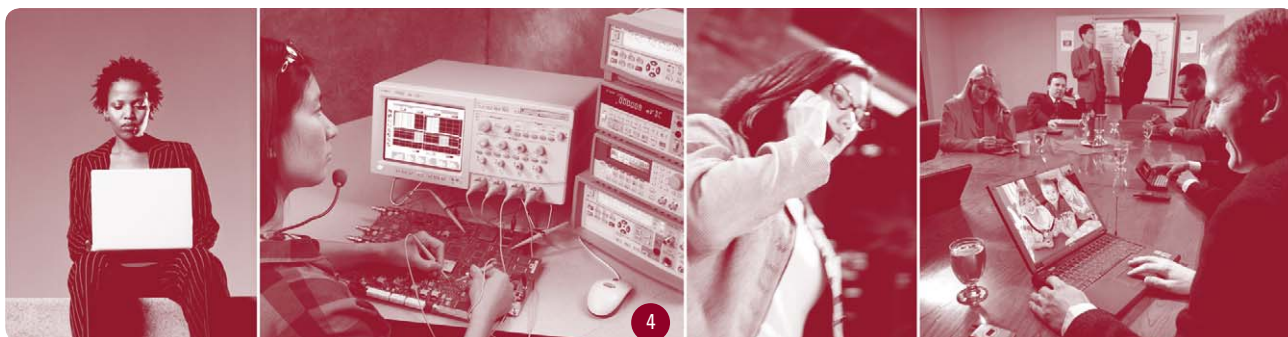
U3400 Series 4½ and 5½ digit multimeters

Key features

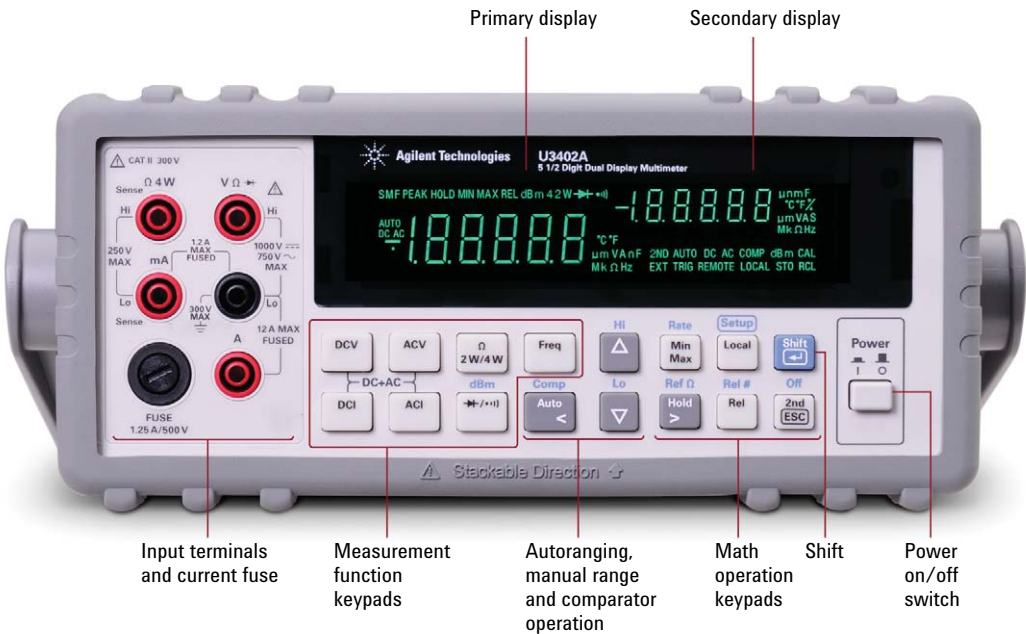
- Up to 120 000 counts resolution
- Up to 0.012% basic DCV accuracy
- 11 basic measurements – DC, AC, AC+DC (True RMS), voltage and current
- Up to six built-in math functions – dBm, Relative, Min/Max, Compare, Hold
- Dual display on bright VFD
- Selectable resolutions for variable measurement speeds
- Kensington lock slot security



www.agilent.com/find/low-cost-dmm



Models and specifications



Ordering Information

DCV Accuracy	0.02%
Reading speed	N/A
Measurement functions	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, true RMS ACI, frequency, diode, continuity
Type of connectivity	N/A

 Technical Datasheet:
Literature no. 5990-3970EN

- U3401A 4 1/2-digit Dual Display Digital Multimeter
- U3402A 5 1/2-digit Dual Display Digital Multimeter

Each U3400 Series includes:

- Quick Start Guide
- Product Reference CD
- Certificate of Calibration (CoC)
- 34138A Test Lead Kit
- AC Power Cord

Options:

- U3400A-100 USB to RS232 Cable
- U3400A-1CM Rack Mount Kit
- U3400A-1CN Dual Flange Kit

Accessories:

- 34138A Test Lead Kit
- U1161A Extended Test Lead Kit
- 34330A Current Shunt (30 A)
- 34133A Precision Electronic DMM Test Leads
- 11059A Kelvin Probe Set
- U3400A-1CM Rack Mount Kit

The real two instruments in one box



U3606A multimeter | DC power supply

Key features

- 2-in-1-box convenience

Full-featured DMM

- 9 measurement functions, including capacitance
- 8 built-in math functions
- 4-wire milliohm measurement with 0.001 mW resolution

Full-featured DC Power Supply

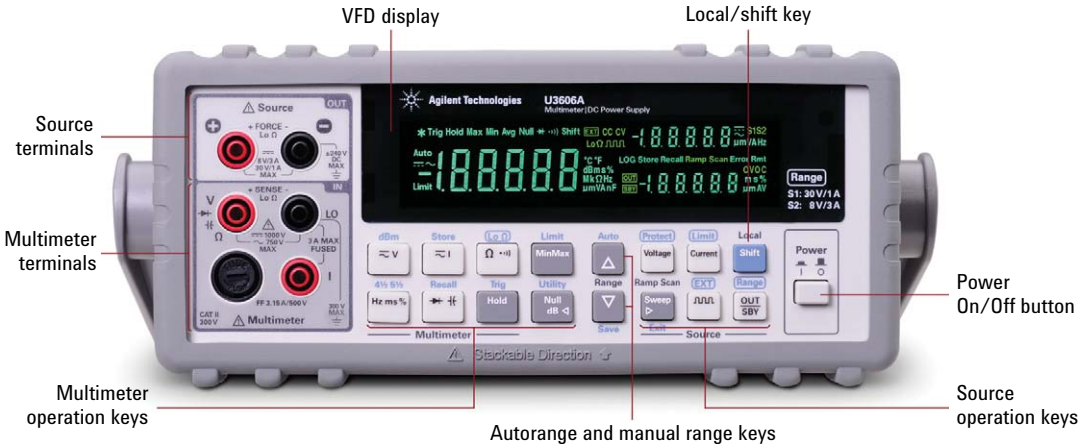
- 30 W, dual-range 30 V/1 A and 8 V/3 A
- Ability to source constant-voltage and -current directly
- OVP and OCP load protection
- Auto ramp and scan for multi-level DC bias testing



www.agilent.com/find/hybrid-multimeter



Models and specifications



Ordering Information

DCV Accuracy	0.025 %
Speed	37 readings/second
Measurement functions	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, true RMS ACV/ACI, frequency, capacitance, diode, continuity
Type of connectivity	GPIOB, USB 2.0

U3606A 5 1/2 -digit Digital Multimeter| DC Power Supply

Each U3606A comes with:

- Quick Start Guide
- Product Reference CD
- Agilent IO Library Suite
- Certificate of Calibration
- U8201A Combo Test Lead Kit
- USB 2.0 High-Speed Type-A to Type B Cable
- AC Power Cord

Warranty options

R-51B-001-3C Extended warranty from one year to three years

R-51B-001-5C Extended warranty from one year to five years

Accessories

U3606A-1CM	Rack Mount Kit
U8201A	Combo Test Lead Kit
U8202A	Electronic Test Lead Kit (for DMM function)
34133A	Precision Electronic Test Leads (for DMM function)
34330A	Current Shunt (30 A) (for DMM function)
34136A	40 kV High-voltage Probe (for DMM function)
11059A	Kelvin Probe Set
11062A	Kelvin Clip Set (for DMM function)
E3600A-100	Test Lead Kit (for DC power supply function)

 Technical Datasheet:
Literature no. 5990-3971EN

Uncompromising Performance for Benchtop and System Testing



34401A 6½ digit multimeter

Key features

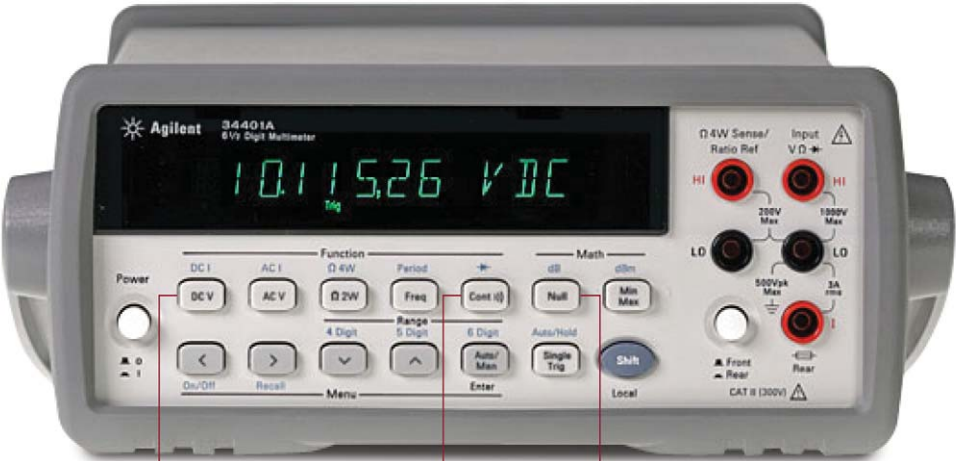
- 12 measurement functions
- 1000 V maximum input
- 15 ppm or 0.0015% basic DCV accuracy (24-hour)
- 0.06% basic ACV accuracy (1 year)
- 1000 readings per second direct to GPIB
- GPIB and RS-232 standard
- SCPI commands standard
- Intuiling Connectivity Software included



www.agilent.com/find/34401A



Models and specifications



- Measure up to 1000 volts with 6 ½ digits resolution
- Perform continuity and diode tests easily with the touch of a button
- Remove lead resistance with Null feature

Ordering Information

DCV Accuracy	0.0035%
Reading Speed -DCV	1000 readings/second
Measurement	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance and RS-232, true RMS ACV/ACI, frequency, diode, continuity
Type of connectivity	GPIO, RS-232



Technical Datasheet:
Literature no. 5968-0162EN

34401A 6 ½-digit Digital Multimeter

Each 34401A includes:

- Test Lead Kit with Probe, Alligator and Grabber
- Operating Manual
- Service Manual
- Certificate of Calibration
- Test Report
- AC Power Cord

Accessories:

- 11059A Kelvin Probe Set
- 11060A Surface Mount Device (SMD) Test Probes
- 11062A Kelvin Clip Set
- 34131A Hard Transit Case
- 34161A Accessory Pouch
- 34171B Input Terminal Connector
- 34172B Input Terminal Short
- 34330A 30 A Current Shunt
- E2308A 5 kΩ Thermistor Temperature Probe
- 34137A Deluxe Test Lead Kit
- 34190A Rack Mount Kit with Filler Panel

Affordable yet feature-rich measurement tool



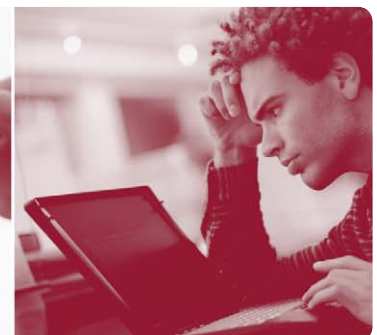
34405A 5½ digit multimeter

Key features

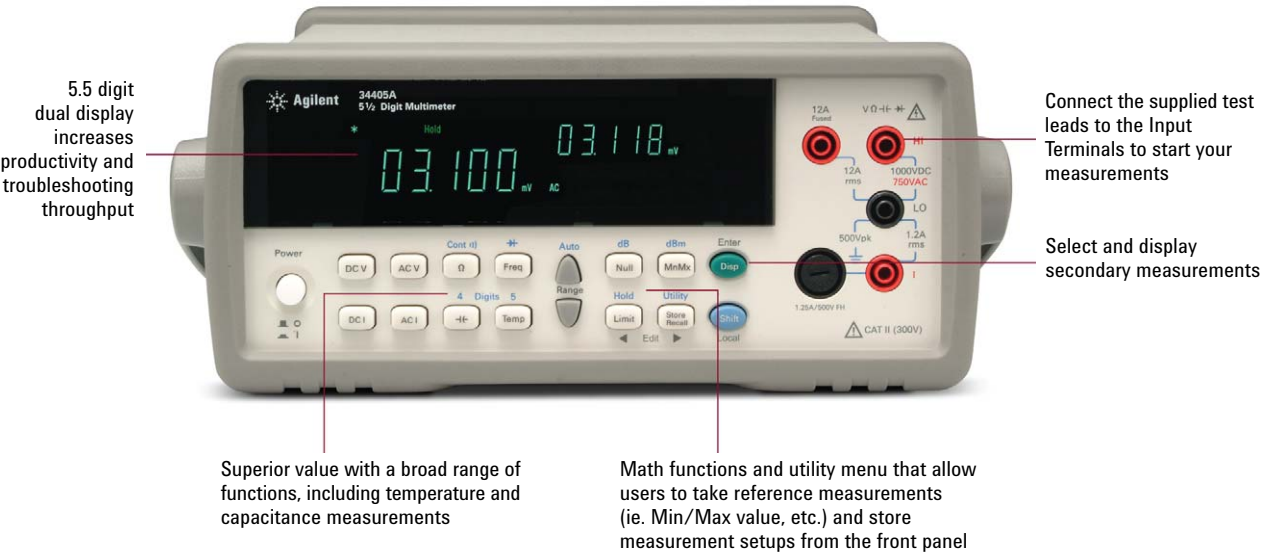
- Up to 120 000 counts resolution
- 16 built-in measurement functions including temperature and capacitance
- 0.025% 1-year DC voltage accuracy
- USB 2.0
- SCPI compatible
- Agilent IO Library Suite and DMM Intuilink connectivity software included



www.agilent.com/find/34405A



Models and specifications



Ordering Information

DCV Accuracy	0.025%
Reading Speed -DCV	19 readings/second
Measurement	DCV, ACV, DCI, ACI, 2-wire resistance, true RMS ACV/ACI frequency, capacitance, temperature, diode, continuity
Type of connectivity	USB 2.0

34405A 5 1/2-digit Digital Multimeter

Each 34405A Series includes:

- Test Lead Kit
- Test Report
- AC Power Cord
- USB Interface Cable
- Quick Start Guide
- User's and Service Guide
- Product Reference CD-ROM
- Agilent IO Library Suite CD-ROM

Options:

Option 1CM Rack Mount Adapter Kit

Accessories:

- 34132A Precision Electronics DMM Test Leads
- 34330A 30 A Current Shunt
- E2308A 5 kΩ Thermistor Temperature Probe

 Technical Datasheet:
Literature no. 5989-4906EN

Affordable yet feature-rich measurement tool



34410A/34411A 6½ digit multimeter

Agilent 34410A 6½-digit high-performance DMM

Key features

- 10,000 readings/s @ 5½-digits direct to PC
- 1,000 readings/s @ 6½-digits direct to PC
- DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, period, continuity and diode test
- Capacitance and temperature measurements
- Expanded measurement ranges
- Data logger with 50k reading non-volatile memory

Agilent 34411A 6½-digit enhanced-performance DMM

Key features

- All features of the 34410A plus:
- 50,000 readings/s @ 4½-digits direct to PC
- 1 million volatile reading memory
- Analog level triggering
- Programmable pre/post triggering



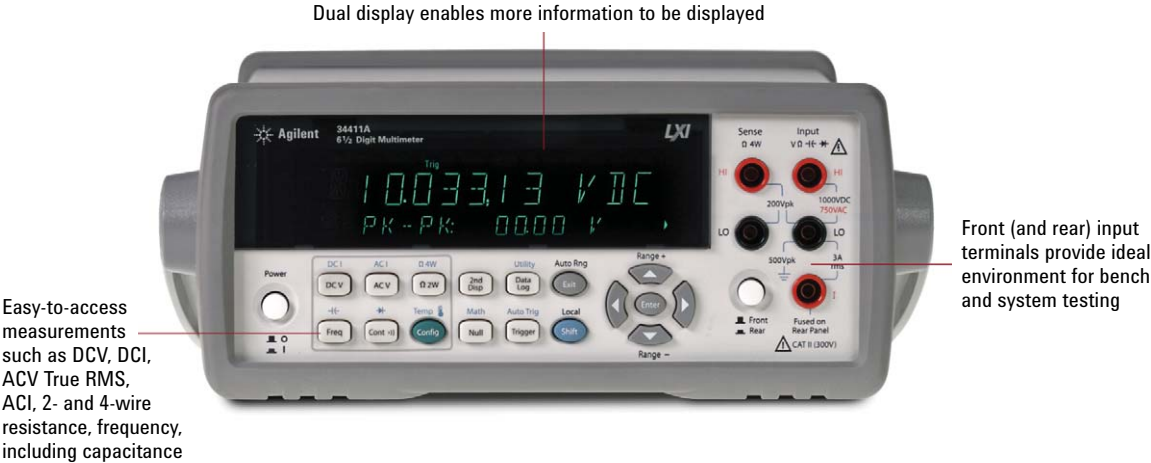
www.agilent.com/find/34410A



www.agilent.com/find/34411A



Models and specifications



Ordering Information

DCV Accuracy	0.003 %
Reading Speed -DCV	10,000 readings/ second
Measurement	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, true RMS ACV/ ACI, frequency, capacitance, diode, continuity
Type of connectivity	GPIO, USB 2.0, LAN (LXI Class C)



Technical Datasheet:
Literature no. 5989-3738EN

34410A 6 1/2-digit Digital Multimeter

34411A 6 1/2-digit Digital Multimeter

Each 34410A/34411A includes:

- Test Lead Kit with Probes and SMT Attachments
- Test Report
- AC Power Cord
- USB Interface Cable

Accessories:

- 11059A Kelvin Probe Set
- 11060A Surface Mount Device (SMD) Test Probes
- 11062A Kelvin Clip Set
- 34131A Hard Transit Case
- 34162A Accessory Pouch
- 34171B Input Terminal Connector
- 34172B Input Calibration Short
- 34330A 30 A Current Shunt
- E2308A 5 kΩ Thermistor Temperature Probe
- 34190A Rack Mount Kit with Filler Panel

Nano-volt performance at a micro-volt price

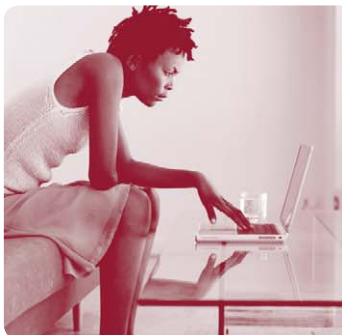
34420A 7½ digit multimeter

Key features

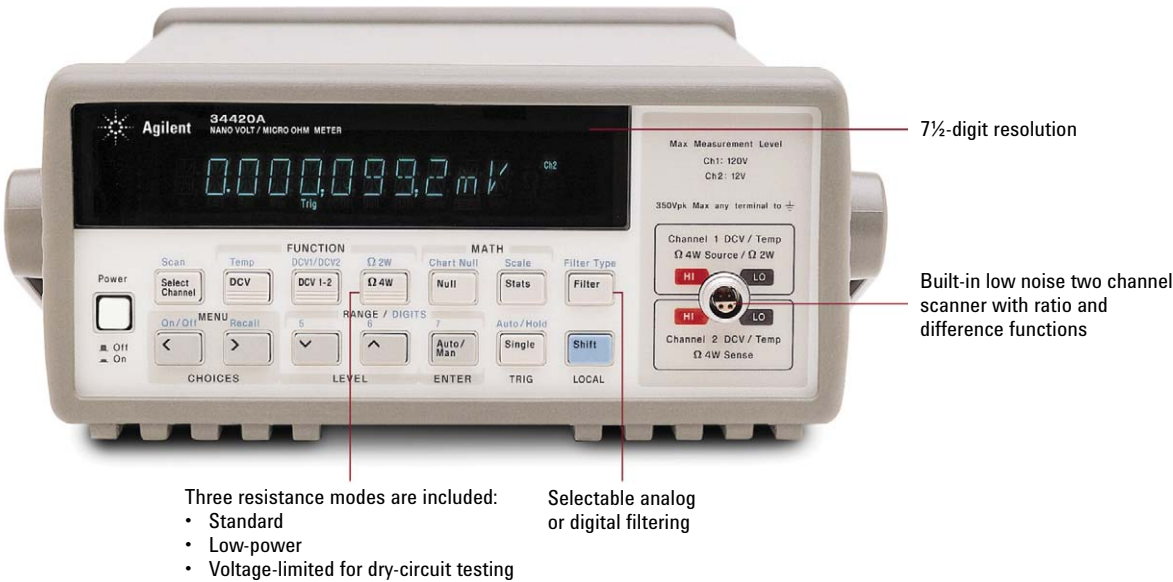
- 7½ digits resolution
- 100 pV/ 100 nV/2 sensitivity
- 1.3 nVrms/8 nVpp noise performance
- Built-in low noise 2 channel scanner
- Direct SPRT, RTD, Thermistor, and thermocouple measurements



www.agilent.com/find/34420A



Models and specifications



Ordering Information

DCV Accuracy	0.003 %
Reading Speed -DCV	250 readings/s
Measurement	DCV, 2-wire and 4-wire resistance, temperature
Type of connectivity	GPIB, RS-232

34420A NanoVolt/Micro-Ohm Meter

Each 34420A includes:

- Low-thermal Input Cable (34102A)
- Low-thermal Shorting Plug (34103A)
- Kelvin Clip Set (11062A)
- Operating Manual
- Service Manual
- Quick Reference Guide
- Test Report with Cal



Technical Datasheet:
Literature no. 5968-0161EN

Accessories:

- 34102A Low-thermal Input Cable with Copper Spade Lugs
- 34103A Low-thermal Shorting Plug
- 34104A Low-thermal Input Connector
- 34131A Transit Case
- 34161A Accessory Pouch

Turbo charge your measurements with one of the fastest throughput in its class



34450A Bench Digital Multimeter

Key features

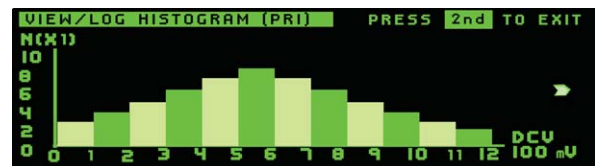
- Fast reading speed up to 190 readings/sec
- 0.015% DCV accuracy
- Multiple connectivity options – USB 2.0, Serial Interface (RS-232) and GPIB
- 11 measurement functions; DC voltage and current, True RMS AC voltage and current, 2- and 4-wire resistance, frequency, continuity, diode test, capacitance and temperature
- Ultra-bright OLED with dual display capability
- Up to 50,000 memory points for data logging
- Built-in Histogram function
- With Fluke 45 and Fluke 8808A code compatibility



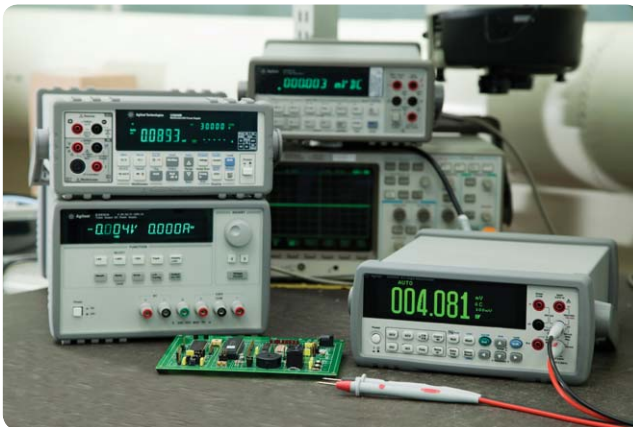
Dual measurement display



Four-quadrant limit test display



Histogram display for basic statistical analysis

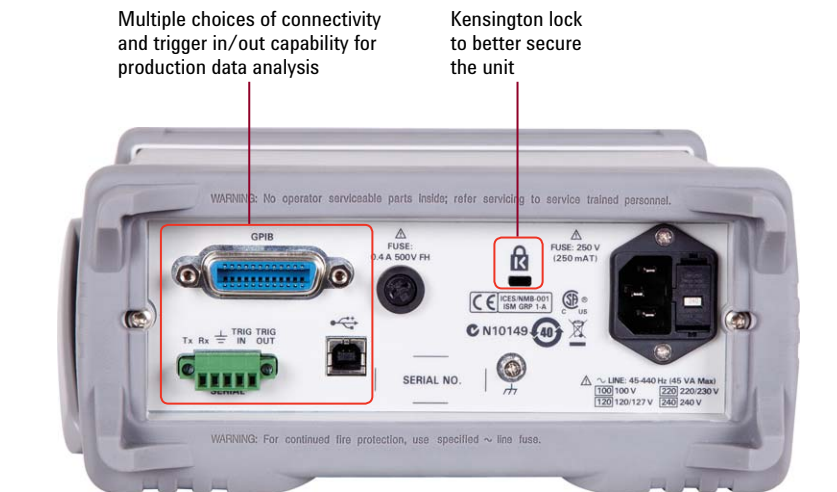
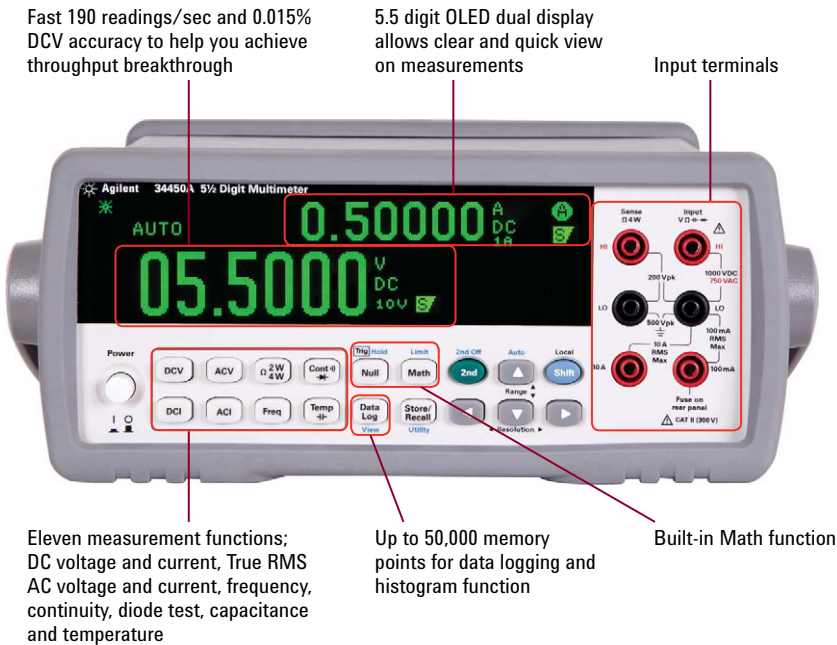


Intuitive and high contrast OLED display

www.agilent.com/find/34450A



Models and specifications



Ordering Information

34450A 5.5 Digit Bench Digital Multimeter

Each 34450A includes:

- Test lead kit
- Power cord
- USB interface cable
- Quick start guide
- Product reference CD
- Agilent IO library suite CD-ROM

Accessories:

- 10833A/B/C/D/F/G GPIB cable
- 82350B Interface card, high performance PCI to GPIB
- 82357B USB/GPIB interface
- E2308A Thermistor Temperature Probe -40 to +150 degrees C, 5 kΩ
- 34190A Rackmount Kit
- 34191A 2U Dual Flange Kit
- 34194A Dual Lock Link Kit

Upgradable options:

- 3445GPBU GPIB Connectivity upgrade
- 3445MEMU 50,000 memory points upgrade for data logging

DCV Accuracy	0.015%
Reading Speed	190 readings/s
Measurement functions	DC voltage and current, True RMS AC voltage and current, 2- and 4-wire resistance, frequency, continuity, diode test, capacitance and temperature
Type of connectivity	USB 2.0, Serial Interface (RS-232) and GPIB

Technical Datasheet:
Literature no. 5991-1133EN

Shattering performance barriers of speed
and accuracy



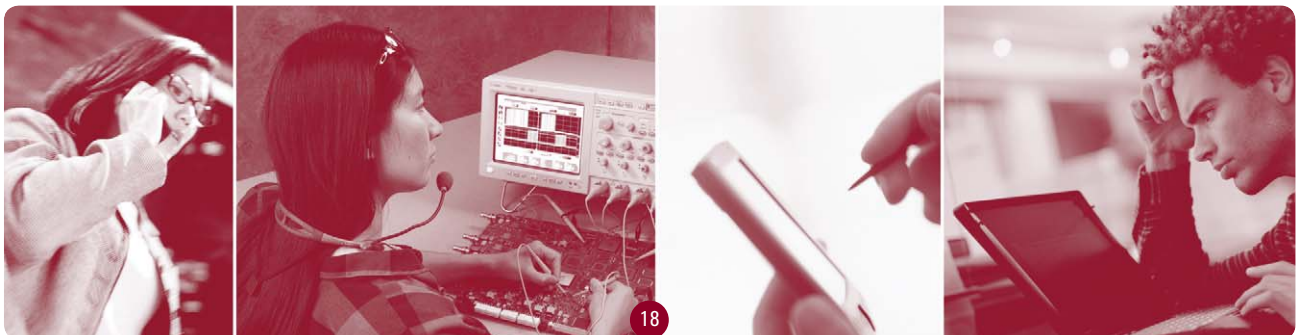
3458A 8½ digit multimeter

Key features

- 8½ to 4½ digits resolution
- Up to 100,000 readings/sec (4.5 digit)
- Maximum sensitivity: 10 nV
- Programmable integration times from 500 ns to 1 sec
- Two-source (10 V, 10 kΩ) calibration, including ac
- Self-adjusting, self-verifying auto-calibration for all functions and ranges, including ac
- Multimeter Language (ML) compatible



www.agilent.com/find/3458A



Models and specifications

16 character alpha-numeric display to easily read data, messages and commands

Gold-plated tellurium copper terminals (Volts/Ohms/ratio) for minimum thermal emf



DCV Accuracy	0.0008 %
Reading Speed -DCV	Up to 100,000 readings/second (4.5 digits)
Measurement	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency
Type of connectivity	GPIB

 Technical Datasheet:
Literature no. 5965-4971 E

Ordering Information

3458A Multimeter

Each 3458A includes:

- Test Lead Set (34118B)
- Power Cord
- Operating Manual
- Calibration Manual
- Assembly Level Repair Manual
- Quick Reference Guide

Accessories

11053A	Low Thermal Test Lead Pair, Spade Lug to Spade Lug, 0.9 m
11174A	Low Thermal Test Lead Pair, Spade Lug to Banana, 0.9 m
11058A	Low Thermal Test Lead Pair, Banana to Banana, 0.9 m
11059A	Kelvin Probe Set (4-wires, 1 m)
11062A	Kelvin Clip Set
E2308A	5 kΩ Thermistor Temperature Probe
10833A/B/C/D	GPIB Cable
3458A-ABJ	Japanese Manual
3458A-ABZ	Italian Manual

Handheld and modular DMMs

Go further with Agilent handheld digital multimeters



Recognizing the increasing demand for tools that are portable, accurate and yet affordable, Agilent offers handheld digital multimeters, multi-function calibrator/meter and clamp meters for installation and maintenance activities. Other handheld instruments include digital oscilloscopes, capacitance and LCR meters.

These award-winning handheld tools meet critical safety standards while providing a wealth of features and world-class accuracy. Each handheld comes in vivid orange cases that provide greater visibility and serves to highlight investment protection through feature sets that go beyond those of typical handhelds.

U1177A Infrared (IR)-to-Bluetooth Adapter

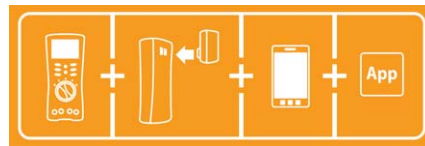
Monitoring multiple measurements simultaneously and wirelessly is now made possible with the U1177A Infrared (IR)-to-Bluetooth adapter. To achieve this, simply install the free software on your Android smart phone or tablet, and connect it to any Agilent handheld digital multimeter (HH DMM) that is attached to a U1177A. With this, you not only get real-time measurement monitoring and data logging, both apply to Android devices and PCs as well.

Features

- Compatible with Agilent U1210 series handheld clamp meters and other handheld digital multimeters such as the U1230 series, U1240 series, U1250 series and U1270 series
- Monitor up to 3 multimeter measurements at the same time with Agilent Mobile Meter software
- Perform data logging with Agilent Mobile Logger software



Agilent U1177A Infrared (IR)-to-Bluetooth adapter



Agilent wireless remote connectivity solution

www.agilent.com/find/U1177A



USB Modular digital multimeter — a bench that fits into a bag



Agilent's USB modular DMM is the innovative solution for laboratory environments. It provides bench instrument capabilities in an affordable, space-saving form factor. It can be used as a standalone instrument or mounted in a chassis with other modules. This enables flexible configurations and quick setup in electronic functional test and troubleshooting applications.

Other USB-based modular instruments include oscilloscopes, function generator, source measure unit, switch matrix and data acquisition products such as multi-function measurement modules, digital input/output devices and thermocouple input.

Ergonomically designed for safer measurements



U1190 Series handheld clamp meters

Key features

- Unique wire separator to separate wires from a bundle
- Vsense to perform non-contact voltage detection¹
- Built-in LED flashlight to illuminate test area¹
- Current measurement up to 600 A²
- Digital multimeter (DMM) with Resistance, Capacitance¹, DCV, ACV, DCμA³, ACμA³, Continuity and Diode test measurements
- CAT III 600 V / CAT IV 300 V safety ratings

1 Only for U1192A, U1193A and U1194A

2 Only for U1193A and U1194A

3 Only for U1194A



www.agilent.com/find/clampmeter



Models and specifications



1. Exclusive to U1192A, U1193A, and U1194A
2. Exclusive to U1194A

DCV Accuracy	0.5+3
Reading speed	3 readings/s
Measurement functions	DCV, ACV, DCI, ACI, resistance, capacitance, diode test, temperature, frequency, continuity
Type of connectivity	N/A



Technical Datasheet:
Literature no. 5990-8646EN

Ordering Information

U1191A Clamp Meter
U1192A Clamp Meter
U1193A Clamp Meter
U1194A Clamp Meter

Each handheld comes with:

- Certificate of calibration
- Quick Start Guide
- K-type thermocouple (only for U1194A)
- 1.5 V AAA Alkaline battery
- Soft carrying case
- Test leads with 4-mm tips



Built-in LED flashlight to illuminate test area

Handle big currents – safely



U1210 Series handheld clamp meters

Key features

- Large clamp opening of 52 mm or 2"
- High measurement capability of up to 1000 A for AC, DC or AC+DC
- CAT III 1000 V/CAT IV 600 V safety rating
- Includes full-featured DMM with resistance, capacitance, frequency and temperature functions
- High resolution measurements – measure current as low as 0.01 A
- Peak hold capability

Bluetooth wireless connectivity (optional U1177A Infrared (IR)-to-*Bluetooth* Adapter required)



www.agilent.com/find/clampmeter



Models and specifications



Ordering Information

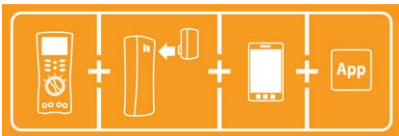
DCV Accuracy	0.50%
Reading speed	7 readings/s
Measurement	DCV, ACV, DCI, ACI, 2-wire resistance, capacitance, temperature, frequency, diode test, continuity
Type of connectivity	IR-USB and Bluetooth

- U1211A Clamp Meter
- U1212A Clamp Meter
- U1213A Clamp Meter

Each clamp meter is shipped with:

- Test Leads with 4-mm Tips
- Soft Carrying Case
- Standard Alkaline 9 V Battery
- Quick Start Guide
- Certificate of Calibration

 Technical Datasheet:
Literature no. 5990-5083EN



Robust and feature-packed

U1230 Series handheld digital multimeters



Key features

- Built-in LED flashlight to illuminate test area
- Flashing backlight as additional visual alert during continuity tests in noisy areas
- Vsense performs non-contact voltage detection
- Data logging capability (stores up to 10 readings)
- IR-to-USB connectivity to transfer data to PC for record

Bluetooth wireless connectivity (optional U1177A Infrared (IR)-to-Bluetooth Adapter required)



www.agilent.com/find/handheldmm



Models and specifications



1. Only applicable for the U1233A model



The built-in flashlight as illustrated

DCV Accuracy	0.5%+2
Reading speed	5 readings/s
Measurement functions	DCV, ACV, ACI, DCI, capacitance, diode test, resistance, temperature*, frequency, continuity test
Type of connectivity	IR-USB and Bluetooth

* Applies to U1233A only

 Technical Datasheet:
Literature no. 5990-7550EN

Ordering Information

U1231A Digital Multimeter
U1232A Digital Multimeter
U1233A Digital Multimeter

Each handheld comes with:

- Quick Start Guide
- Certificate of Calibration (CoC)
- U1167A 4 mm tips probes test leads
- 4 x 1.5 V batteries



Check more, fix more, spend less



U1240 Series handheld multimeters

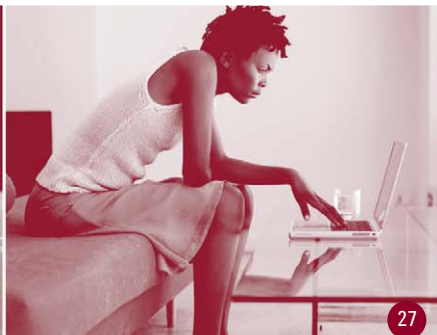
Key features

- 10 000 display counts resolution
- 0.09% basic DCV accuracy
- True RMS AC measurement
- Basic functions – ACV, DCV, ACI, DCI, resistance, frequency, diode, continuity tests
- Advanced functions – capacitance, temperature, MINMAX recording
- Adjustable backlighting – 2 intensity levels
- Manual data logging (U1242A/U1242B only)
- Built-in switch counter, harmonic ratio (U1242A/U1242B only), dual/differential temperature capabilities (U1242A/U1242B only)
- CAT III 1000 V and CAT IV 600 V safety protection

Bluetooth wireless connectivity (optional U1177A Infrared (IR)-to-*Bluetooth* Adapter required)



www.agilent.com/find/handhelddmm



Models and specifications

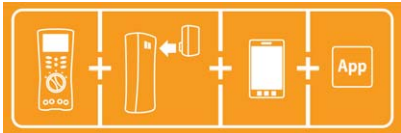


Ordering Information

U1241A/U1241B Digital Multimeter
U1242A/U1242B Digital Multimeter

Each handheld comes with:

- Four 1.5 V AAA Alkaline Batteries
- Certificate of Calibration
- Test Probe Leads (4-mm tips)
- Quick Start Guide
- Free test data (Option UK6)



Be well equipped from the start



U1250 Series handheld multimeters

Key features

- High contrast ratio of 2000:1 and wide viewing angle of 160°*
- 50,000 counts high resolution and up to 0.025% low error rate
- Built-in square-wave generator and frequency counter
- Includes all essential accessories for electronics troubleshooting
- Smoothing function to stabilize erratic readings*
- Data logging to instrument and PC

Bluetooth wireless connectivity (optional U1177A Infrared (IR)-to-*Bluetooth* Adapter required)

* with U1253B



www.agilent.com/find/handheldmm



Models and specifications



Best Value Portable Test Equipment, 2006



A testament to innovation and credibility, 2006



General-purpose instruments category, 2009



Category Winner, EC&M Product of the Year competition, 2009



DCV Accuracy 0.025 %

Speed 100 readings/second

Measurement functions DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, capacitance, temperature, diode, continuity tests

Type of connectivity IR-USB and Bluetooth

Ordering Information

U1251B Digital Multimeter

U1252B Digital Multimeter

U1253B Digital Multimeter

Each U1251B/U1252B comes with:

- Standard Test Leads (4-mm tips)
- Alligator Clips
- Battery Charger (for U1252B)
- Certificate of Calibration
- Test Report
- Quick Start Guide

Each U1253B comes with:

- Standard Test Leads (4-mm tips)
- Alligator Clips
- Battery Charger
- Certificate of Calibration
- Test Report
- Quick Start Guide



Technical Datasheet:
Literature no. 5989-5509EN

Shaped to fit, tailored to perform, built to last



U1270 Series handheld digital multimeters

Key features

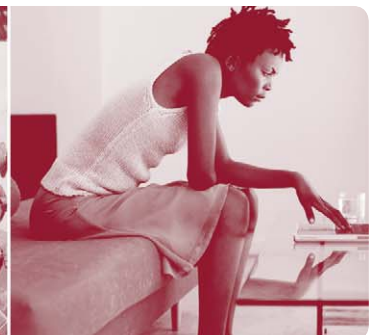
- OLED display with 2000:1 contrast ratio and 160 degree viewing angle
- 30,000 counts resolution (digit)
- 0.05% basic DCV accuracy
- Measure up to 1000 V AC/DC and 10 A (20 A for 30 s)
- Resistance, diode test, temperature, capacitance, continuity
- Built-in low pass filter and low impedance voltage measurement
- Down to -40°C operating temperature*
- Up to 3000 m operating altitude
- Water and dust resistance (IP 54)
- CAT III 1000 V / CAT IV 600 V

Bluetooth wireless connectivity (optional U1177A Infrared (IR)-to-Bluetooth Adapter required)

* U1273AX



www.agilent.com/find/handhelddmm



Models and specifications



Ordering information:

- U1271A Digital Multimeter
- U1272A Digital Multimeter
- U1273A Digital Multimeter
- U1273AX Digital Multimeter

Each handheld comes with:

- Standard test leads
- Test probes with 4-mm tips
- K-type thermocouple and adapter
- 4 x AAA alkaline batteries (for U1271A, U1272A, U1273A)
- 4 x AAA lithium batteries (for U1273AX)
- Certificate of Calibration
- UK 6 (test report)
- Quick Start Guide

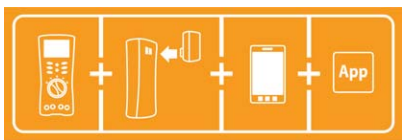
DCV Accuracy	0.05%
Reading speed	7 readings/s
Measurement functions	DCV, DCI, ACV, ACI, 2-wire resistance, frequency, capacitance, continuity, diode test
Type of connectivity	IR-USB and Bluetooth

 Technical Datasheet:
Literature no. 5990-6425EN

Test & Measurement World

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Calibrate while you measure with just one tool

U1401B handheld multi-function calibrator/meter



Key features

- Dual display with bright LCD backlight
- Simultaneous source and measure
- Bipolar voltage and current, square-wave, auto scan and ramp outputs
- Full-span DMM capability, including temperature and frequency measurements
- Hold and Min/Max/Average recordings
- Data logging to PC with optional



www.agilent.com/find/handheld-calibrator-meter



Models and specifications



DCV Accuracy	0.003 %
Reading Speed	3 readings/s
Measurement	DCV, ACV, DCI, ACI, 2-wire resistance, temperature, frequency, diode test, continuity, pulse width, duty cycle
Type of connectivity	IR-USB

Ordering Information

U1401B Multi-function Calibrator/Meter

Each U1401B is shipped with:

- Calibrator/Meter Standard Test Lead Kit
- Yellow Test Lead for mA Simulation
- Protective Holster
- Rechargeable Battery Pack
- AC Power Adapter and Cord (according to country)
- Quick Start Guide
- Certificate of Calibration
- Soft Carrying Case is included for U1401A



Technical Datasheet:
Literature no. 5990-3459EN

A bench that fits into your bag



U2741A 5 1/2-digit USB modular multimeter

Key features

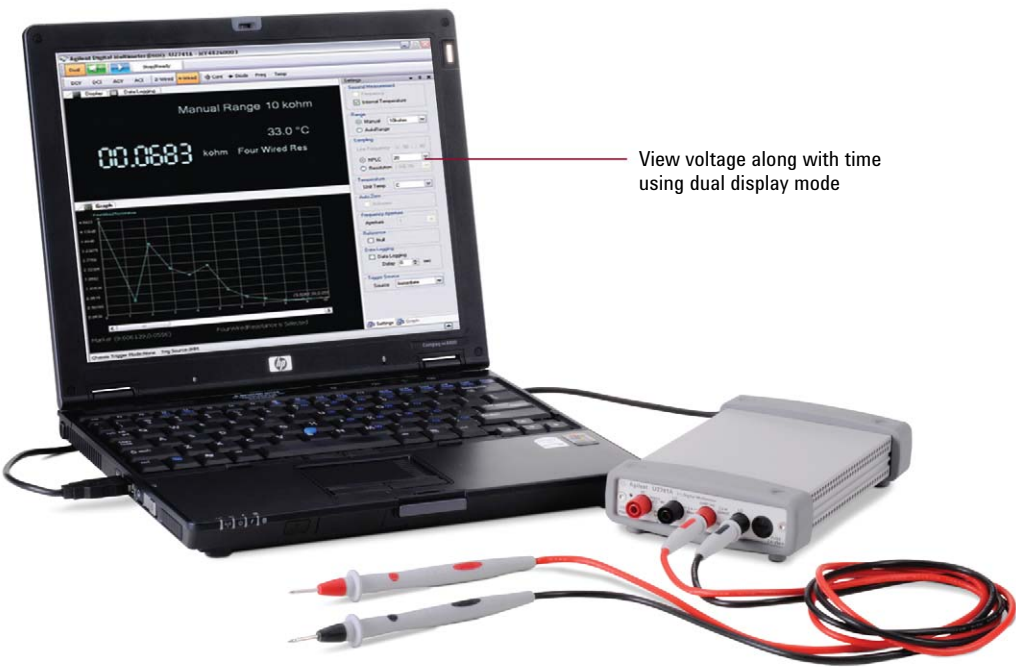
- Up to 100 readings per second
- Up to 300 VDC with 5 1/2-digit resolution
- Frequency and temperature measurement capability
- Wide measurement ranges: 100 mVDC to 300 VDC, 10 mA to 2 A
- Compatibility with Hi-speed USB 2.0, USBTMC-USB488 standard
- Standalone and modular capabilities
- Bundled software - Agilent Measurement Manager (AMM)



www.agilent.com/find/U2741A



Models and specifications



Ordering Information

DCV Accuracy	0.02 %
Reading Speed -DCV	100 readings/ second
Measurement	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, temperature, diode, continuity tests
Type of connectivity	USB 2.0

U2741A Digital Multimeter

Each U2741A comes with:

- 12 V, 2A AC/DC Power Adapter
- Power Cord
- Standard Test Lead
- USB Standard-A to Mini-B Interface Cable
- L-Mount Kit (used with modular product chassis)
- Agilent USB Modular Products Quick Start Guide
- Agilent Measurement Manager Quick Reference Card
- Certificate of Calibration
- Agilent USB Modular Products Reference CD-ROM
- Agilent Automation-Ready CD-ROM
(contains the Agilent IO Libraries Suite)



Technical Datasheet:
Literature no. 5991-0042EN

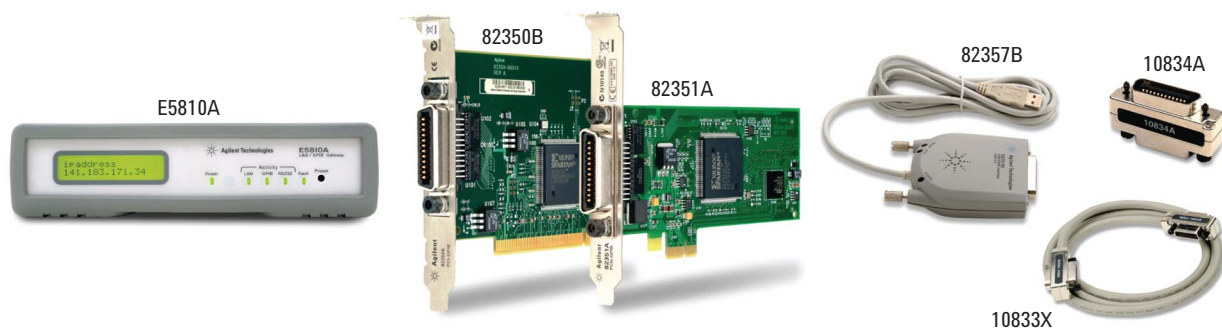
Accessories:

- U2921A-101 USB Secure Cable, 2m
- 34138A Test Lead Set
- E2308A 5 k Ω Thermistor Temperature Probe

Description	U3401A	U3402A	U3606A	34405A	34401A	34410A	34411A	34420A	34450A	3458A	U1190 Series	U1210 Series	U1230 Series	U1240 Series	U1250 Series	U1270 Series	U1401B	U2741A
10833A/B/C/D/F/G GPIB cable									■									
11059A Kelvin Probe set		■	■		■	■	■			■								
11060A Surface Mount Device probe					■	■	■											
11062A Kelvin Clip set		■	■		■	■	■	■		■								
34102A Low thermal input cable								■										
34103A Low thermal shorting plug								■										
34104A Low thermal Input Connector								■										
34133A Precision Electronic test leads	■	■	■	■	■	■	■											
34134A DC coupled current probe					■	■	■											
34136A High Voltage probe			■	■	■	■	■											
34138A Test Lead set	■	■		■	■	■	■		■									■
34330A 30 A Current Shunt	■	■	■	■	■	■	■			■								
U8201A Combo Test Lead kit			■															
U8202A Electronic Test Lead kit			■	■														
E2308A Thermistor Temperature Probe				■	■	■	■		■	■								■
E3600A-100 Test Lead Kit			■															
34131A Transit case				■	■	■	■											
34161A Accessory Pouch				■			■											
34162A Accessory Pouch					■	■												
34171B Input Terminal block				■	■	■												
34172B Calibration Short				■	■	■												
34190A Rackmount Kit			■		■	■	■	■	■									
34191A 2U Dual Flange Kit			■		■			■	■									
34194A Dual Lock Link Kit				■	■	■	■		■									
34308A Thermistor Kit						■	■			■								
34398A RS-232 Cable, 9-pin (F) to 9-pin (F)					■													
Y1133A Low-thermal External DMM Scanning Kit					■	■	■											
34137A Deluxe Test Lead set										■								
82350B Interface card, high performance PCI to GPIB									■									
82357B USB/GPIB interface									■									
U1161A Extended test lead kit											■	■	■	■	■	■	■	
U1162A Alligator clips											■	■	■	■	■	■	■	
U1163A SMT grabbers											■	■	■	■	■	■	■	
U1164A Fine-tip test probes											■	■	■	■	■	■	■	

Description	U3401A	U3402A	U3606A	34405A	34401A	34410A	34411A	34420A	34450A	3458A	U1190 Series	U1210 Series	U1230 Series	U1240 Series	U1250 Series	U1270 Series	U1401B	U2741A
U1168A Standard Test Lead Kit											■	■	■	■	■	■	■	
U1169A Test probe leads											■	■	■	■	■	■	■	
U1171A Magnetic hanging kit													■	■	■	■		
U1172A Transit case													■	■	■	■		
U1173A IR-to-USB cable												■	■	■	■	■		
U1174A Soft carrying case													■	■	■	■		
U1176A Probe clip light											■	■	■	■	■	■	■	
U1177A IR-Bluetooth adapter												■	■	■	■	■		
U1179A IR-bracket														■				
U1180A Thermocouple adapter + lead kit														■	■	■		
U1181A Immersion temperature probe											■	■	■	■	■	■		
U1182A Industrial surface temperature probe											■	■	■	■	■	■		
U1183A Air temperature probe											■	■	■	■	■	■		
U1184A Temperature probe adapter											■	■	■	■	■	■	■	
U1185A J-type thermocouple and adapter														■	■	■		
U1186A K-type thermocouple and adapter											■	■	■	■	■	■	■	
U1580A DMM terminal test lead set											■	■	■	■	■	■	■	
U1583B AC current clamp													■	■	■	■		

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