Established 1981
Advanced Test Equipment Rentals
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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/OCP, 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 futher 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 futher 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 futher 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
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	16, 17
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	19, 20
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	N/A	21, 22
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	23, 24
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	N/A	25, 26
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	27, 28
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	29, 30
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	31, 32
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	33, 34
Accessories compatibility chart						35, 36

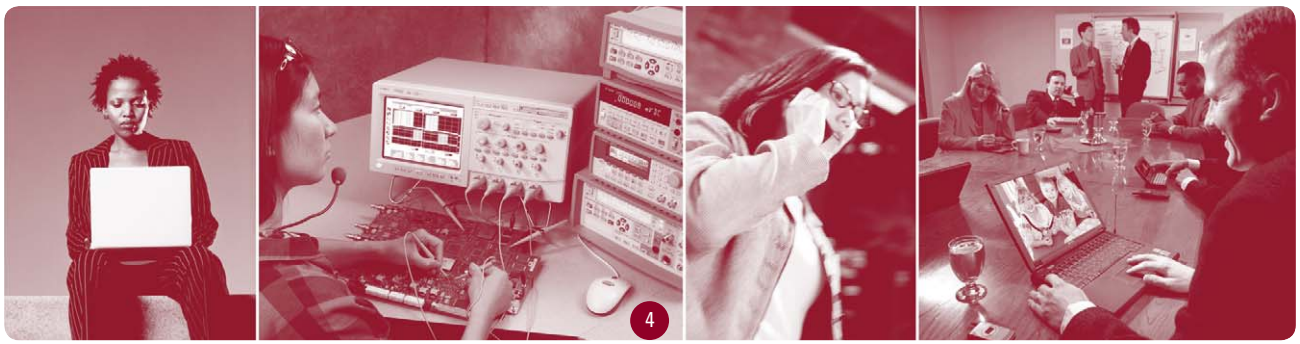
Basic + Good = Elegant Simplicity

U3400 Series 4½ and 5½ digit multimeters

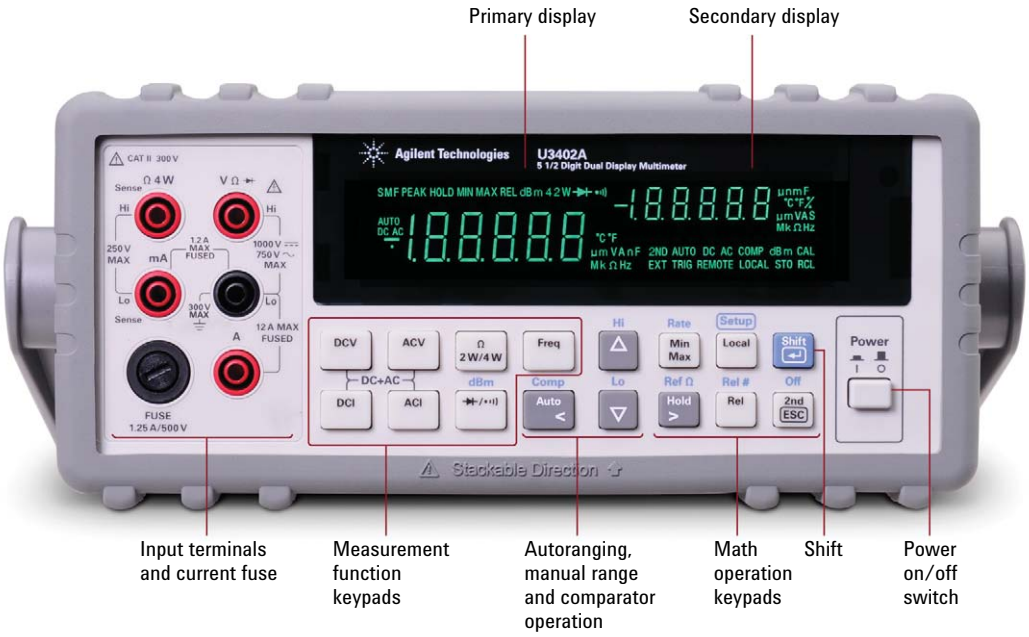
Key features

- 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



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

Ordering Information

U3401A 4 ½-digit Dual Display Digital Multimeter

U3402A 5 ½-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

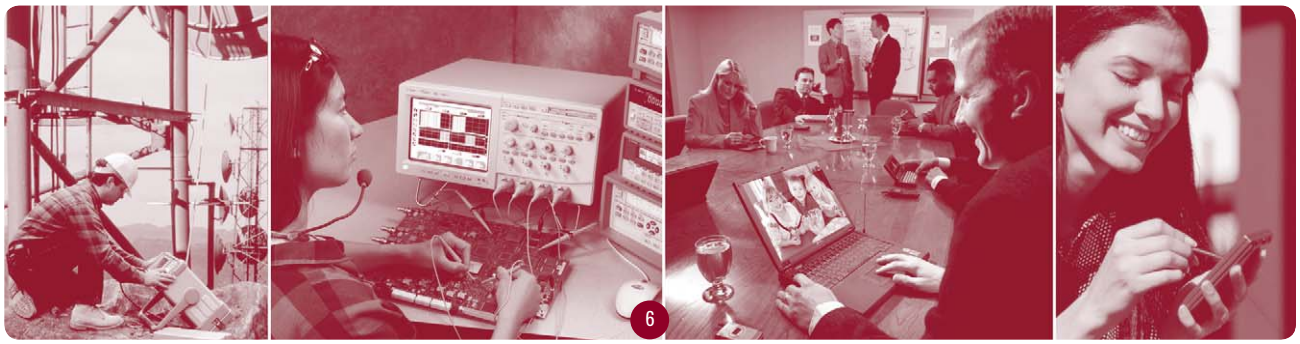
Full-featured DMM

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

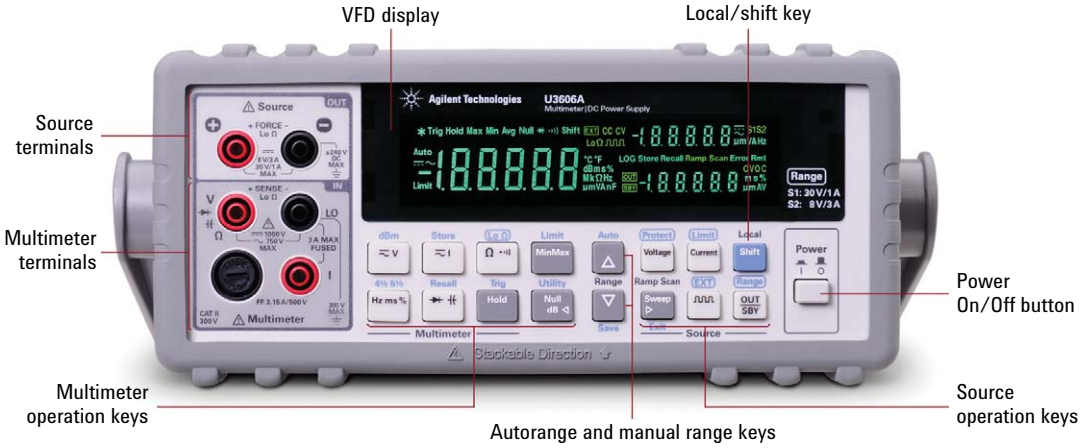
Full-featured DC Power Supply

- 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



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	GPIB, USB 2.0

Technical Datasheet:
Literature no. 5990-3971EN

Ordering Information

U3606A 5 ½ -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)

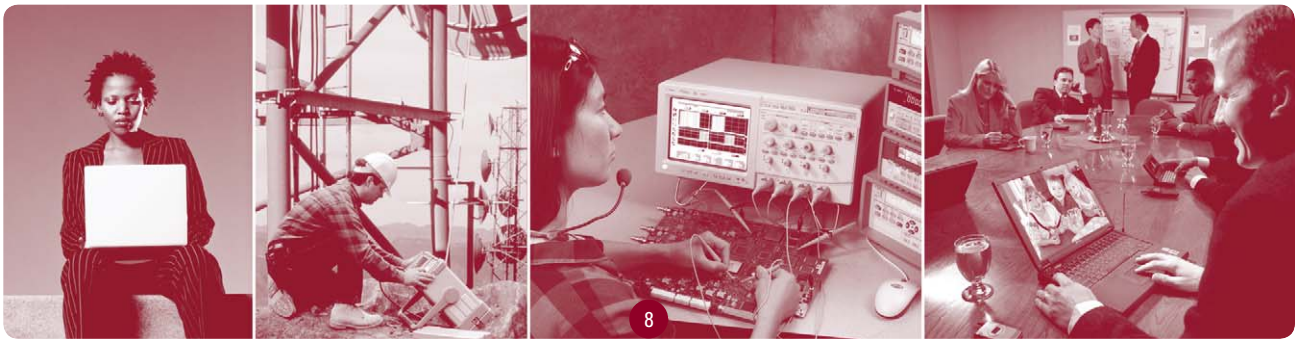
Uncompromising Performance for Benchtop and System Testing

34401A 6½ digit multimeter

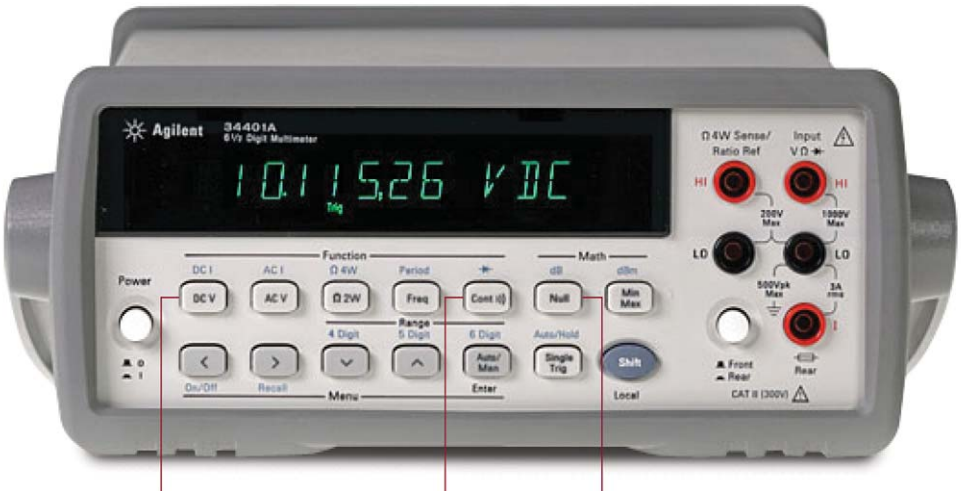
Key features

- 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
- Intuilink 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

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	GPIB, RS-232

Technical Datasheet:
Literature no. 5968-0162EN

Ordering Information

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

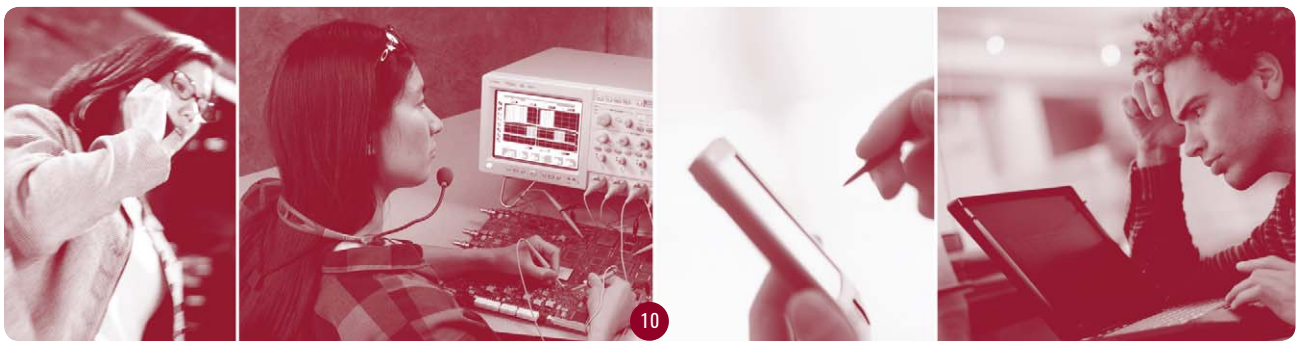
Affordable yet feature-rich measurement tool

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

5.5 digit dual display increases productivity and troubleshooting throughput

Connect the supplied test leads to the Input Terminals to start your measurements

Select and display secondary measurements

Superior value with a broad range of functions, including temperature and capacitance measurements

Math functions and utility menu that allow users to take reference measurements (ie. Min/Max value, etc.) and store measurement setups from the front panel

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

Technical Datasheet:
Literature no. 5989-4906EN

Ordering Information

34405A 5 ½-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

Affordable yet feature-rich measurement tool

34410A/34411A 6½ digit multimeter

Agilent 34410A 6½-digit high-performance DMM

Key features

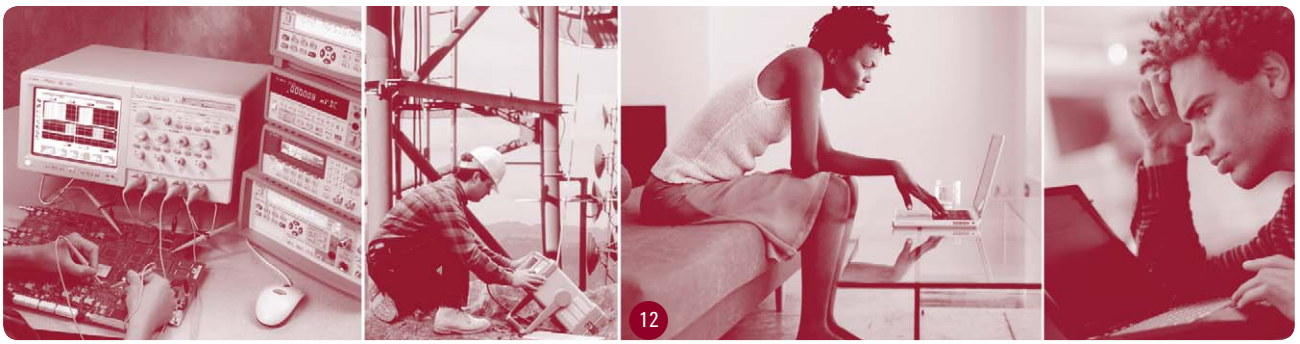
- 10,000 readings/s @ 5½-digits direct to PC
- 1,000 readings/s @ 6½-digits direct to PC
- DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, period, continuity and diode test
- Capacitance and temperature measurements
- Expanded measurement ranges
- Data logger with 50k reading non-volatile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

Dual display enables more information to be displayed

Easy-to-access measurements such as DCV, DCI, ACV True RMS, ACI, 2- and 4-wire resistance, frequency, including capacitance

Front (and rear) input terminals provide ideal environment for bench and system testing

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	GPIB, USB 2.0, LAN (LXI Class C)

Technical Datasheet:
Literature no. 5989-3738EN

Ordering Information

34410A 6 ½-digit Digital Multimeter

34411A 6 ½-digit Digital Multimeter

Each 34410A/34411A includes:

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

Accessories:

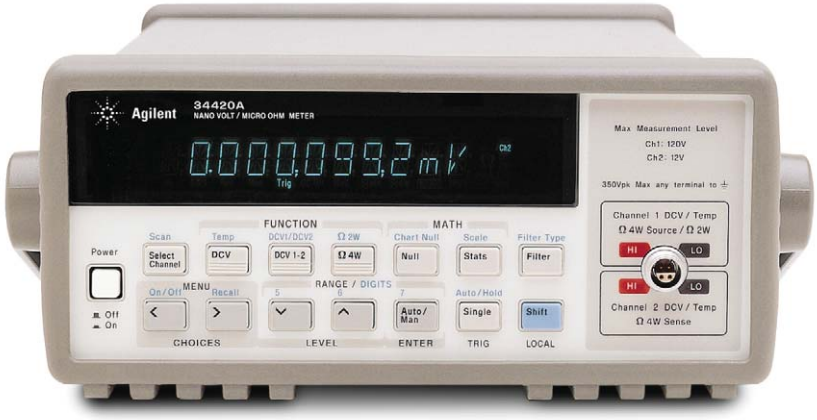
11059A	Kelvin Probe Set
11060A	Surface Mount Device (SMD) Test Probes
11062A	Kelvin Clip Set
34131A	Hard Transit Case
34162A	Accessory Pouch
34171B	Input Terminal Connector
34172B	Input Calibration Short
34330A	30 A Current Shunt
E2308A	5 kΩ Thermistor Temperature Probe
34190A	Rack Mount Kit with Filler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

Nano-volt performance at a micro-volt price

34420A 7½ digit multimeter

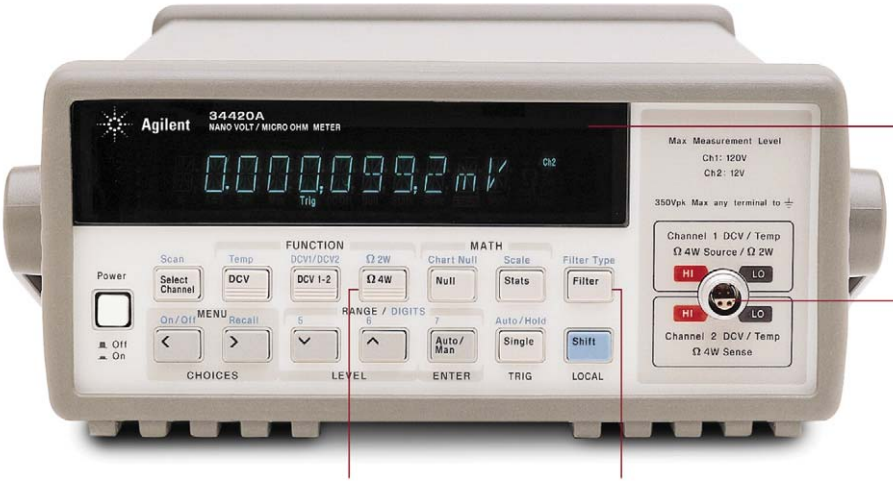
Key features

- 7½ digits resolution
- 100 pv/ 100 n1/2 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



7½-digit resolution

Built-in low noise two channel scanner with ratio and difference functions

Three resistance modes are included:
- Standard
- Low-power
- Voltage-limited for dry-circuit testing

Selectable analog or digital filtering

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

Technical Datasheet:
Literature no. 5968-0161EN

Ordering Information

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

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

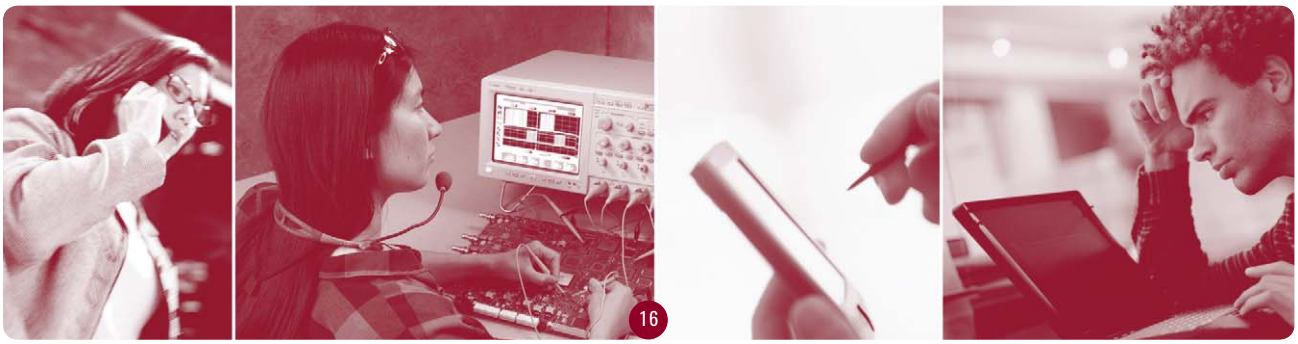
Shattering performance barriers of speed and accuracy

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

Guard terminal and switch for maximum common mode noise rejection

Shifted keys (f0 through f9) access up to ten user-defined setups

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. 5965-4971E

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.

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 detection[1]
- Built-in LED flashlight to illuminate test area[1]
- Current measurement up to 600 A[2]
- Digital multimeter (DMM) with Resistance, Capacitance[1], DCV, ACV, DCμA[3], ACμA[3], 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

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

Technical Datasheet:
Literature no. 5990-8646EN

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

www.agilent.com/find/clampmeter

Models and specifications

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	N/A

Ordering Information

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

www.agilent.com/find/handhelddmm

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 cable and GUI software

* 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

Test & Measurement World BEST IN TEST 2012 FINALIST

EN-Genius NETWORK Product of the Year

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

www.agilent.com/find/handhelddmm

Models and specifications

DCV Accuracy	0.09 %
Reading speed	7 readings/s
Measurement functions	DCV, ACV, DCI, ACI, 2-wire resistance, frequency, capacitance, temperature, diode, continuity tests
Type of connectivity	N/A

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)

Technical Datasheet:
Literature no. 5989-7040EN

Be well equipped from the start

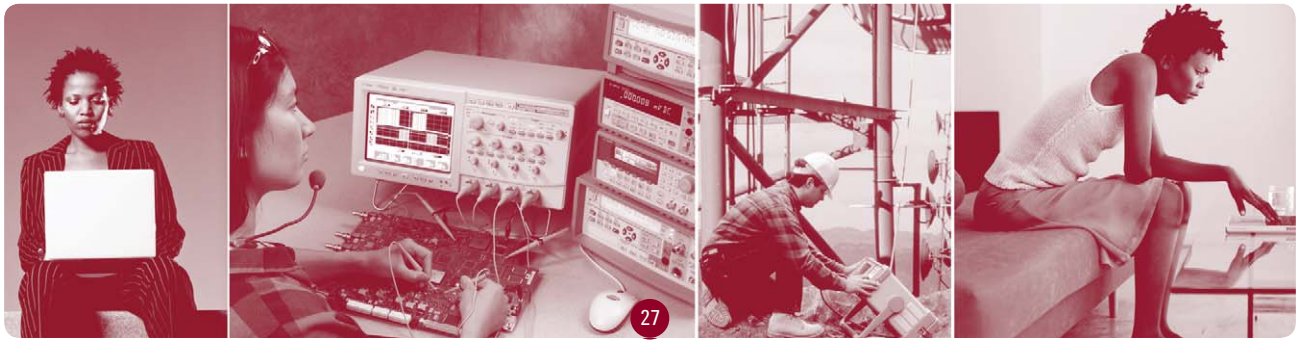
U1250 Series handheld multimeters

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

*** with U1253B**

www.agilent.com/find/handhelddmm



Models and specifications

OLED display with approximately 160° viewing angle, and high contrast ratio of 2000:1 for crystal-clear viewing[1]

50,000 count dual display with true-RMS reading capability

SHIFT key and one-stop function keys for easy access

Broad range of measurement functions, including temperature and capacitance

Built-in battery charging for optimum capacity

20 MHz frequency counter[2]

Data logging to internal or external memory

Programmable square-wave generator for stimulation of digital circuits[2]

CAT III 1000 V and CAT IV 600 V overvoltage protection for assurance of your safety while you go about your tasks

1. U1253B only
2. U1252B/U1253B only

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

Technical Datasheet: Literature no. 5989-5509EN

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

Shaped to fit, tailored to perform, built to last

U1270 Series handheld digital multimeters

Key features

- Clear and distinct display with OLED technology*
- Low impedance mode**, Smart Ω**, low pass filter
- Flashing backlight alert plus audible continuity indication for dark and noisy environments
- Easy fuse replacement
- Dust and water resistant (certified to IP 54)
- Easy connectivity to PC with optional IR-USB cable
- Ergonomic shape for better grip
- Large knob and buttons

* **For U1273A only**

** **For U1272A and U1273A**

www.agilent.com/find/handhelddmm

Models and specifications

Peak detect records transients as fast as 250 µs

Low Pass Filter (LPF) removes unwanted high frequency signals

Z_{LOW}[1] provides both high and low impedance modes to eliminate stray voltages

OLED display ensures clear and distinct display readings

Smart Ω[1] removes residual voltage of up to 1000 mV

Auto diode[1] automatically determines diode polarity

Temperature measurement: J type thermocouple –210 to 1200° C[1], K type thermocouple –200 to 1732° C

AC + DC[1] capability

Large knob for ease of use

1 U1272A and U1273A only

Front panel

Hang hole

Probe holder/storage

Slim, ergonomic design for better grip

IR-USB connectivity with optional IR-USB cable

Easy fuse and battery access from battery cover beneath the stand

Back panel

Ordering information:

U1271A Digital Multimeter

U1272A Digital Multimeter

U1273A Digital Multimeter

Each handheld comes with:

- Standard test leads
- Test probes with 4-mm tips
- K-type thermocouple and adapter
- 4 x AAA batteries
- 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

Technical Datasheet: Literature no. 5990-6425EN

Test & Measurement World BEST IN TEST 2012 FINALIST

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

Technical Datasheet:
Literature no. 5990-3459EN

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

A bench that fits into your bag

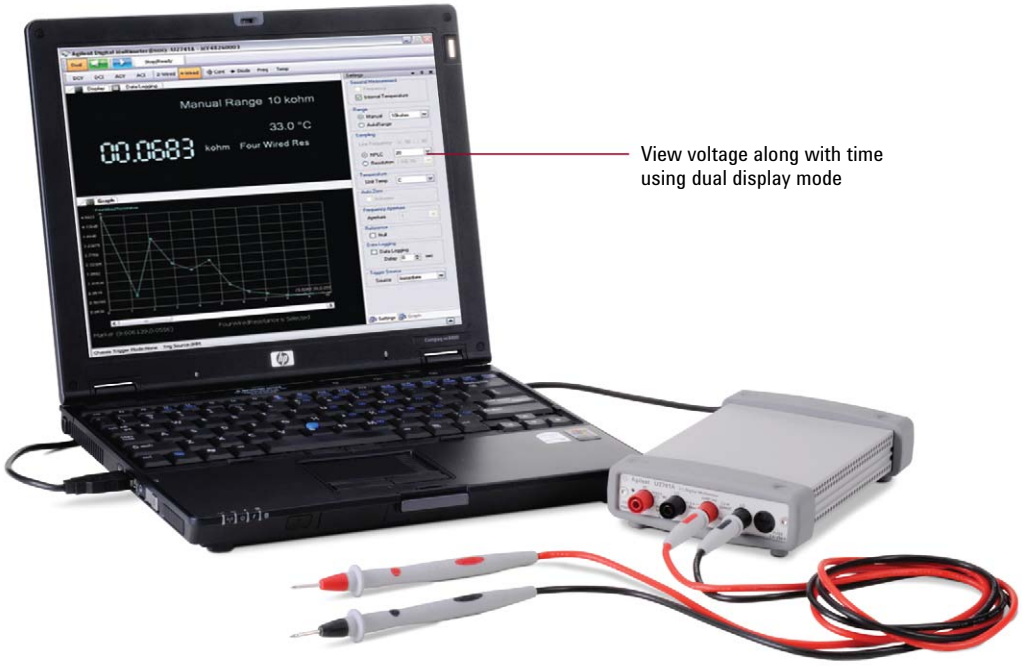
U2741A 5 ½-digit USB modular multimeter

Key features

- Up to 100 readings per second
- Up to 300 VDC with 5 ½-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



View voltage along with time using dual display mode

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

Technical Datasheet:
Literature no. 5991-0042EN

Ordering Information

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)

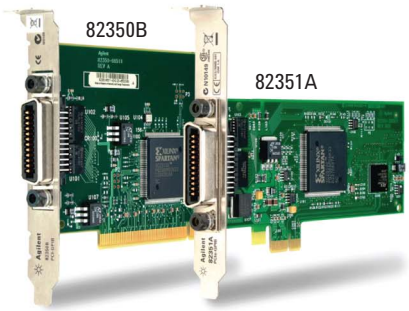
Accessories:

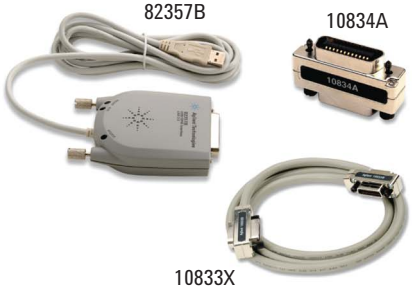
U2921A-101 USB Secure Cable, 2m
34138A Test Lead Set
E2308A 5 kΩ Thermistor Temperature Probe

Description	U3401A	U3402A	U3606A	34405A	34401A	34410A	34411A	34420A	3458A	U1190 Series	U1210 Series	U1230 Series	U1240 Series	U1250 Series	U1270 Series	U1401B	U2741A
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									■								
U1161A Extended test lead kit										■	■	■	■	■	■	■	
U1162A Alligator clips										■	■	■	■	■	■	■	
U1163A SMT grabbers										■	■	■	■	■	■	■	
U1164A Fine-tip test probes										■	■	■	■	■	■	■	
U1168A Standard Test Lead Kit										■	■	■	■	■	■	■	
U1169A Test probe leads										■	■	■	■	■	■	■	

Description	U3401A	U3402A	U3606A	34405A	34401A	34410A	34411A	34420A	3458A	U1190 Series	U1210 Series	U1230 Series	U1240 Series	U1250 Series	U1270 Series	U1401B	U2741A
U1171A Magnetic hanging kit												■	■	■	■		
U1172A Transit case												■	■	■	■		
U1173A IR-to-USB cable												■	■	■	■		
U1174A Soft carrying case												■	■	■	■		
U1176A Probe clip light										■	■	■	■	■	■	■	
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												■	■	■	■		

Linking up your instruments to the PC





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