



Index

Model	Description	Digits of resolution	Measurement speed (reading/s at 4½ digits)	Basic 1-yr DCV accuracy	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	0.0120%	DCV, ACV, DCI, ACI, 2-wire resistance (4-wire on U3402A), frequency, continuity, and diode	N/A	4
U3606A/U3606B	5.5-digit DMM with built-in 30 W power supply Halves bench/rack- space need for two instruments	5½	26	0.0250%	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, continuity, diode, and capacitance 30-W with four output ranges, OVP/OCP, auto scan/ramp and square wave generator	USB 2.0, GPIB	5
0.50000h 05.50000h 5.0000h 5.0000h 5.0000h 5.0000h 5.0000h 5.0000h	5.5 digit bench digital multimeter OLED dual display	5½	190	0.0150%	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, continuity, diode, capacitance, and temperature	USB 2.0, Serial Interface (RS-232), GPIB BenchVue software enabled (page 25)	6
34460A/34461A	Bench/System DMM Graphical color dual-line display with histogram and trend charts	6½	300/1000	0.0075/0.0035%	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, continuity, diode, temperature, capacitance	USB, LAN/LXI Core, GPIB, BenchVue software enabled (page 25)	7
34465A	Bench/System DMM Includes 34461A features plus data logging, digitizing and auto calibration	6½	50,000	0.0030%	DCV, ACV, DCI, ACI, 2- and 4-wire, resistance, frequency, period, continuity, diode, temperature, capacitance, DC ratio	USB, LAN/LXI Core, GPIB optional, Bench- Vue software enabled (page 25)	8
34470A	Bench/System DMM Includes 34461A features plus data logging, digitizing and auto calibration	7½	50,000	0.0016%	DCV, ACV, DCI, ACI, 2- and 4-wire, resistance, frequency, period, continuity, diode, temperature, capacitance, DC ratio	USB, LAN/LXI Core, GPIB optional, Bench- Vue software enabled (page 25)	8
34401A	Bench/System DMM Industry standard for accuracy, speed, measurement ease and versatility	6½	1000	0.0035%	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, continuity, and diode.	GPIB, RS-232, DMM Connectivity BenchVue software enabled (page 25)	9
34410A/34411A	Bench/System DMM, dual-line display Highest through-put of benchtop DMMs	6½	10,000 (34410A) 50,000 (34411A)	0.0030%	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, continuity test, capaci- tance, temperature	USB, LAN/LXI Core, GPIB, BenchVue software enabled (page 25)	10

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Model	Description	Digits of resolu-	Measurement speed (reading/s at 4½ digits)	Basic 1-yr DCV accuracy	Basic measurements	Connectivity & software	Page:
	Nanovolt/μΩ meter	7½	250	0.0030%	DCV, DCI, 2- and 4-wire	GPIB, RS-232,	11
34420A	Very accurate, low-level measurements				resistance, 2 channel scanning, temperature	Intuilink software	
3442UA	Bench/System DMM	8½	100000	0.0008%	DCV, ACV, DCI, ACI, 2- and 4-wire	GPIR	12
3458A	The fastest, most flexible and most accurate multimeter by Keysight Ideal multimeter for demanding applications	072	(@ 4½ digits)	(0.0004% optional)	resistance, frequency, period, and temperature	GI ID	12
	Infrared (IR)-to- <i>Bluetooth</i> Adapter	N/A	N/A	N/A	N/A	Keysight Mobile Meter	13
U1177A	Enables <i>Bluetooth</i> connection to compatible Keysight handhelds.					Keysight Mobile Logger	
U1190 Series	Handheld DMM Illuminate test area and measure in safer manner	3½	3	0.5%	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, continuity, diode, capacitance, temperature	N/A	14
U1210 Series	Handheld clamp meter For convenient high current measurements	3½	7	0.5%	DCV, ACV, DCI, ACI, 2-wire resistance, frequency, continuity, diode test, capacitance, temperature	IR-USB, Bluetooth	15
U1230 Series	Handheld DMM Retool your expectations with the Keysight U1230 Series handheld DMM	3½	5	0.5%	DCV, ACV, DCI, ACI, resistance, frequency, continuity, diode test, capacitance, temperature	IR-USB, Bluetooth	16
U1240 Series	Handheld DMM Feature-rich and robust DMMs	4	7	0.09%	DCV, DCI, ACV, ACI, 2-wire resistance, frequency, continuity, diode test, switch counter, harmonic ratio, capacitance, temperature, 4-20 mA % scale	IR-USB, Bluetooth	17
U1250 Series	Handheld DMM Versatile, high performance DMMs	4½	7	0.025%	DCV, DCI, ACV, ACI, 2-wire resistance, frequency, continuity, diode test, dB, capacitance, temperature, frequency counter, 4-20 mA % scale	IR-USB, Bluetooth	18
U1270 Series	Handheld DMM More functionality in a single tool	4½	7	0.05%	DCV, DCI, ACV, ACI, 2-wire resistance, frequency, continuity, diode test, dB, capacitance, temperature, 4-20 mA % scale	IR-USB, Bluetooth	19
U1401B	Handheld multi-function calibrator/meter Calibrator and DMM in one tool	4½	3	0.003%	DCV, ACV, DCI, ACI, 2-wire resistance, temperature, frequency, diode test, continuity, pulse width, duty cycle	IR-USB	20
U2741A	USB Modular DMM Compact, with plug-and- play simplicity	5½	100	0.02%	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency and period, continuity, diode test, temperature	USB 2.0	21
The state of the s	PXI DMM - basic features. Best for functional test when there are multiple tests with range or function changes.	6½	150	.009%	DCV, DCI, ACV, ACI, 2- and 4-wire resistance	PXI module; IVI-C, IVI-COM, LabVIEW, MATLAB drivers. Signametrics compatible driver is also available	22
M9181A							
	PXI DMM - enhanced performance models. Best for functional test when there are multiple tests with range or function changes.	6½	4,500 for M9182A 15,000 for M9183A	.004%	All M9181A measurements, plus frequency/period, capacitance, and temperature. M9183A includes duty cycle, counter/ totalizer, and DC source.	PXI-hybrid module; IVI- C, IVI-COM, LabVIEW, MATLAB drivers. Signametrics compatible driver is also available	22
M9182A/M9183A							22.05
Accessories compatibility c	IIdIL						23-25

Basic + good = elegant simplicity

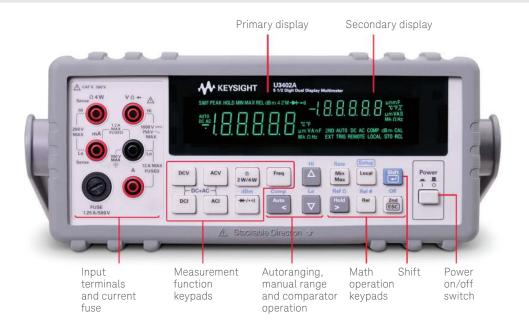
U3400 Series 4½ and 5½ digit multimeters



Key features

- Up to 120,000 counts resolution
- 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



Key specifications

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

Technical datasheet: Literature number 5990-3970EN

Ordering information

U3401A $4\frac{1}{2}$ digit dual display digital multimeter U3402A $5\frac{1}{2}$ 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

Two instruments in one

U3606A/U3606B multimeter DC power supply



Key features

Full-featured DMM

- 8 built-in math functions
- 120,000 counts resolution
- 4-wire m Ω measurement with 0.001 m Ω
- resolution

Full-featured DC power supply

- 30 W, 30 V/1 A, 100 mA/30 V, 8 V/3 A and
- 1000 mV/3 A ranges
- OVP and OCP load protection
- Auto ramp and scan for multi-level DC bias testing
- Up to 4.8 kHz square-wave output



Key specifications

DCV accuracy	0.025%
Reading speed	26 readings/second
Measurement functions	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, diode, continuity, and capacitance
Type of connectivity	GPIB, USB 2.0

Technical datasheet:

Literature number 5991-2849EN

Ordering information

U3606A 5½ digit digital multimeter|DC power supply U3606B 5½ digit digital multimeter|DC power supply

Each unit includes:

- Quick start guide
- Product reference CD
- Keysight Technologies, Inc. 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

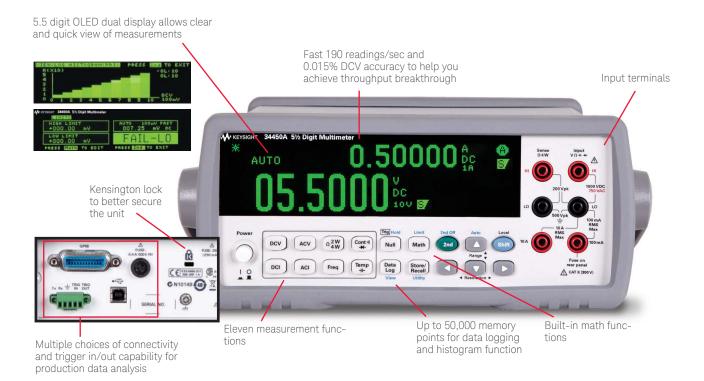
Turbo charge your measurements with one of the fastest tools in its class

34450A bench digital multimeter



Key features

- Fast reading speed up to 190 readings/sec
- Multiple connectivity options USB 2.0, Serial
- Interface (RS-232) and GPIB
- Up to 50,000 memory points for data logging
- Built-in histogram function
- With Fluke 45 and Fluke 8808A code compatibility



Key specifications

DCV accuracy	0.015%
Reading speed	190 readings/s
Measurement functions	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, diode, continuity, capacitance, temperature
Type of connectivity	USB 2.0, Serial Interface (RS-232) and GPIB

Technical datasheet:

Literature number 5991-1133EN

Ordering information

34450A 5½ digit dual display digital multimeter

Each 34450A includes:

- Test lead kit
- Power cord
- USB interface cable
- Quick start guide
- Product reference CD
- Keysight IO Library Suite CD-ROM

Upgradable options:

- 3445GPBU GPIB connectivity upgrade
 3445MEMU 50,000 memory points upgrade for data logging
- BenchVue software enabled (see page 25)

The new standard for uncompromising performance in bench and system test

34460A/34461A 61/2 digit Truevolt DMMs



Key features

Display DMM results in ways you never have before

- Color, graphical display with built-in bar chart, histogram, trend (34461A only), math, and statistics
- Save and document your DMM's data from your PC, mobile device, or IO of choice

Measure with unquestioned Truevolt confidence

Digital AC, lowest measurement noise, ISO/IEC derived and compliant specifications

 1000 V max voltage input, 3 A/10 A (34461A) max current input

Move to the next generation 34401A DMM with 100% assurance

 Industry's only 100% drop-in, SCPI compatible replacement for the Keysight 34401A DMM (34461A)



Key specifications

DCV accuracy	0.0075/0.0035%
Reading speed - 4½ Digits	300/1000 readings/s
Measurements	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, diode, continuity, temperature
Type of connectivity	USB, LAN/LXI Core (Option on 34460A, Std on 34461A) GPIB (Optional)

Technical datasheet: Literature number 5991-1983EN

Ordering information

34460A 6½ digit, basic Truevolt DMM 34461A 6½ digit, 34401A replacement, Truevolt DMM

Upgradeable options:

- 3446ACCU Accessory kit for 34460A (documentation, test leads, USB cable)
- 3446GPBU GPIB user installable interface module
- 3446LANU Enable rear panel LAN/LXI web interface, external triggering for 34460A
- 3446SECU Enable NISPOM and file security
- BenchVue software enabled (see page 25)

The new standard for uncompromising performance in bench and system test

34465A 6½, 34470A 7½ digit performance Truevolt DMMs



Key features

Get more insight quickly

Truevolt DMM's graphical capabilities such as trend and histogram charts offer more insights quickly. Both models also provide a data logging mode for easier trend analysis and a digitizing mode for capturing transients.

Low-current measurements

The ability to measure very low current, 1 μ A range with pA resolution, allows you to make measurements on very low power devices.

Maintaining calibration

Auto calibration allows you to compensate for temperature drift so you can maintain measurement accuracy throughout your workday.



Key specifications

DCV accuracy	0.0030/0.0016%
Reading speed - 4½ Digits	50,000 readings/s
Measurements	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, diode, continuity, tem- perature capacitance, DC ratio
Type of connectivity	USB, LAN/LXI Core GPIB (Optional)

Technical datasheet: Literature number 5991-1983EN

Ordering information

34465A 6½ digit, performance Truevolt DMM (34410A/11A replacement)

34470A 7½ digit, performance Truevolt DMM

Upgradeable options:

- 3446GPBU GPIB user installable interface module
- 3446SECU Enable NISPOM and file security
- 3446DIGU Enable digitizing and advanced triggering
- 3446MEMU Enable 2 million readings of memory
- BenchVue software enabled (see page 25)

Uncompromising performance for benchtop and system testing



34401A 61/2 digit multimeter (Replaced by 34461A 61/2 digit Truevolt multimeter)

Key features

- 1000 V maximum input
- SCPI commands standard
- Intuilink Connectivity Software included



Key specifications

DCV accuracy	0.0035%
Reading speed - DCV	1000 readings/second
Measurements	DCV, ACV, DCI, ACI, 2- and 4-wire resistance, diode, continuity
Type of connectivity	GPIB, RS-232

Technical datasheet:

Literature number 5968-0162EN

Ordering information

34401A 6½ 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

BenchVue software enabled (see page 25)

Affordable yet feature-rich measurement tool

34410A/34411A 61/2 digit multimeter



Key features

Keysight 34410A 61/2 digit high-performance DMM

- Expanded measurement ranges
- Data logger with 50k reading non-volatile memory

Keysight 34411A 61/2 digit enhanced-performance DMM

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



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

Key specifications

0.0030%
34410A 10,000 readings/s 34411A 50,000 readings/s
DCV, ACV, DCI, ACI, 2- and 4-wire resistance, continuity, diode, capacitance, tempera- ture
GPIB, USB 2.0, LAN (LXI Core)

Technical datasheet:

Literature number 5989-3738EN

Ordering information

34410A 6½ digit digital multimeter 34411A 6½ digit digital multimeter

Each 34410A/34411A includes:

- Test lead kit with probes and SMT attachments
- Test report
- AC power cord
- USB interface cable

BenchVue software enabled (see page 25)

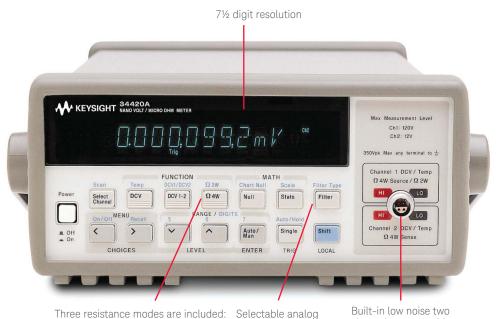
Nanovolt performance at a micro-volt price

34420A 7½ digit multimeter



Key features

- 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 therrmocouple measurements



Three resistance modes are included:

or digital filtering

channel scanner with ratio and difference functions

- Standard Low-power
- Voltage-limited for dry-circuit testing

Key specifications

DCV accuracy	0.0030%
Reading speed - DCV	250 readings/s
Measurements	DCV, 2- and 4-wire resistance, temperature
Type of connectivity	GPIB, RS-232

Technical datasheet:

Literature number 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

Shattering performance barriers of speed and accuracy

3458A 81/2 digit multimeter



Key features

- Maximum sensitivity: 10 nV
- Programmable integration times from 500 ns to 1 sec
- Two-source (10 V, 10 k Ω) calibration, including AC
- Self-adjusting, self-verifying auto-calibration for all functions and ranges, including AC
- Multimeter Language (ML) compatible



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 $\,$

Key specifications

DCV accuracy	0.0008% (Optional 0.0004%)
Reading speed DVC	Up to 100,000 readings/second (41/2 digits)
Measurements	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency
Type of connectivity	GPIB

Technical datasheet:

Literature number 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

Go further with Keysight handheld digital multimeters

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 Keysight handheld digital multimeter (HHDMM) 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.

Key features

- Compatible with all Keysight U1200 Series handheld meters and U1210 Series handheld clamp meters
- Monitor up to 3 multimeter measurements at the same time with Keysight Mobile Meter software
- Perform real-time data logging with Keysight Mobile Logger software





Keysight U1177A Infrared (IR)-to-Bluetooth adapter







Keysight wireless remote connectivity solution



Ergonomically designed for safer measurements

U1190 Series handheld clamp meters



Key features

- 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



Key specifications

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

Technical datasheet: Literature number 5990-8646EN

Ordering information

U1191A clamp meter U1192A clamp meter U1193A clamp meter U1194A clamp meter

Each handheld includes:

- 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
- Test report with cal



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

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



Key specifications

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

Technical datasheet: Literature number 5990-5083EN

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

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 duringcontinuity 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)



Key specifications

DCV accuracy	0.5%+2
Reading speed	5 readings/s
Measurement functions	DCV, ACV, ACI, DCI, diode test, capacitance, resistance, temperature*, frequency, continuity test *Applies to U1233A only
Type of connectivity	IR-USB and Bluetooth

Technical datasheet: Literature number 5990-7550EN

Ordering information

U1231A digital multimeter U1232A digital multimeter U1233A digital multimeter

Each handheld comes with:

- Quick start guide
- Certificate of calibration
- 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

- True RMS AC measurement
- Advanced functions capacitance, temperature, MINMAX recording
- Manual data logging (U1242B only)

- Built-in switch counter, harmonic ratio (U1242B only),dual/differential temperature capabilities (U1242B only)
- CAT III 1000 V and CAT IV 600 V safety protection

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



Key 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	IR-USB and Bluetooth

Technical datasheet:

Literature number 5989-7040EN

Ordering information

U1241B digital multimeter 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°*
- 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

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



Key specifications

DCV accuracy	0.25%
Speed	100 readings/s
Measurement functions	DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, capaci- tance, 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 includes:

- Four 1.5 V AAA alkaline batteries
- Certificate of calibration
- Test probe leads (4-mm tips)
- Quick start guide
- Free test data (Option UK6)

Each U1251B/U1252B includes:

- 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 number 5989-5509EN









A testament to innovation and credibility, 2006



General-purpose instruments category, 2009



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

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*
- Measure up to 1000 V AC/DC and 10 A (20 A for 30 s)
- Down to -40 °C operating temperature*
- Water and dust resistance (IP 54)
- CAT III 1000 V / CAT IV 600 V
 *with U1273AX

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

OLED display ensures clear and distinct display readings

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

1. U1272A, U1273A and U1273AX only

- clear and distinct display readings

Smart Ω^1 removes residual voltage of up to 1000 mV

Auto diode¹ automatically determines diode polarity

Temperature measurement: J type thermocouple -210 to 1200° C¹, K type thermocouple -200 to 1732° C

AC + DC¹ capability

Large knob for ease of use



Key specifications

DCV accuracy	0.05%
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

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

Technical datasheet: Literature number 5990-6425EN



Calibrate and 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 andfrequency measurements
- Data logging to PC with optional



Key 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 number 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 5½ digit USB modular multimeter



Key features

- Up to 300 VDC with 5% digit resolution
- Wide measurement ranges: 100 mVDC to 300 VDC, 10 mA to 2 A
- Compatibility with high-speed USB 2.0, USBTMC-USB488 standard
- Standalone and modular capabilities



Key specifications

DCV accuracy	0.02%
Reading speed - DCV	100 readings/s
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 number 5991-0042EN

Ordering information

U2741A digital multimeter

Each U2741A includes:

- 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)
- Keysight USB modular products quick start guide
- Keysight Measurement Manager quick reference card
- Certificate of calibration
- Keysight USB modular products reference CD-ROM
- Keysight automation-ready CD-ROM (contains the Keysight IO Libraries Suite)

Challenge the boundaries of test



M9181A/M9182A/M9183A PXI 6½ digit multimeters

Model	Description	
M9181A	PXI digital multimeter, 6½ digit, basic features	
M9182A	PXI-H digital multimeter, 6½ digit, high performance	
M9183A	PXI-H digital multimeter, 6½ digit, enhanced performance	П



Comparison of Keysight PXI DMM models

	M9181A	M9182A	M9183A
Resolution		6½ digits	
Maximum reading rate @ 4½ digits	150 readings/s	4,500 readings/s	15,000 readings/s
Maximum transactional speed (single reading interval time)	6.7 ms	222 μs	66 μs
Measurements and functions	DCV, DCI, True RMS ACV and ACI, 2- and 4-wire resistance	All M9181A measurements, plus frequency/period, temperature, and capacitance	All M9182A measurements plus duty cycle, counter/totalizer, DC source, and extended measurement ranges
Basic 1 year DCV accuracy	0.009%	0.004%	0.004%
Floating isolation (CAT II)	Up to 240 V	Up to 300 V	Up to 300 V
Triggering	Immediate		level, programmable ng, PXI trigger bus
Reading storage	none	Circular buffe	r, 80 readings
Connecter capability	cPCI, PXI-1	cPCI, PX	-H, PXI-1

Software	
Drivers	IVI-C, IVI-COM, LabVIEW, MATLAB
Supported software development environments	Visual Studio® (VB.NET, C#, C/C++), VEE, LabVIEW, LabWindows/CVI, MATLAB
Included GUI	Soft front panel
Application code examples	C/C++, Visual Basic

M9181A Technical datasheet and flyer:

Literature number 5990-9035EN (DS) Literature number 5990-9024EN (FL)

M9182A and M9183A Technical datasheet and flyer:

Literature number 5990-7580EN (DS) Literature number 5990-6550EN (FL)

Ordering number	Description	Handheld clamp meters	Handheld DMMs Handheld DMMs					Bench DMMs												Handheld calibrator/meter
number		U1210 Series	U1190 Series	U1230 Series	U1240 Series	U1250 Series	U1270 Series	U3401A	U3402A	U3606A/B	34401A	34410A	34411A	34420A	34450A	34460A/61A	34465A/70A	3458A	U2741A	U1401B
Kits/rack mo	ounts																			
34137A	Deluxe test lead set																			
34190A	Rackmount kit																			
34191A	2U dual flange kit																			
34194A	Dual lock link kit																			
34307A	Thermocouple kit																			
34308A	Thermistor kit																			
E3600A-100	Test lead kit																			
U1161A	Extended test lead kit																			
U1168A	Standard test lead kit																			
U1180A	Thermocouple adapter+lead kit (for U1242B only) (for U1252/53B only) (for U1272A/73/73AX)																			
U8201A	Combo test lead kit																			
U8202A	Electronic test lead kit																			
Y1133A	Low-thermal external DMM scanning kit																			
Probes/lead	s/clamps/bocks/shunts/connectors																			
11059A	Kelvin prob set																			
11060A	Surface mount device probe																			
11062A	Kelvin clip set																			
34103A	Low thermal shorting plug																			
34104A	Low thermal input connector																			
34131A	Transit case																			
34133A	Precision electronic test leads																			
34134A	DC coupled current probe																			
34136A	High voltage probe																			
34138A	Test lead set																			
34171B	Input terminal block																			
34172B	Calibration short																			
34330A	30 A current shunt																			
E2308A	Thermister temperature probe																			
U1162A	Alligator clips																			
U1163A	SMT grabbers																			
U1164A	Fine-tip test probes																			
U1169A	Test probe leads																			
U1176A	Probe clip light																			
U1177A	Infared (IR)-to- <i>Bluetooth</i> adapter																			
U1580A	DMM terminal test lead set																			
U1583B	AC current clamp																			

Ordering	Description	Handheld clamp meters		Hand	lheld [)MMs						Bench	DMM	s				Modular DMM		Handheld calibrator/meter
number	Description	U1210 Series	U1190 Series	U1230 Series	U1240 Series	U1250 Series	U1270 Series	U3401A/02A	U3606A/06B	34401A	34410A	34411A	34420A	34450A	34460A/61A	34465A/70A	3458A	U2741A	M9180 Series	U1401B
Probes/adap	oters/leads for temperature meas	ureme	ent																	
U1179A	IR connectivity/bracket																			
U1181A	Imersion temperature probe (for U1212A/13A only) (for U1194A only) (for U1233A only)																			
U1182A	Industrial surface temperature probe (for U1212A/13A only) (for U1194A only) (for U1233A only)																			
U1183A	Air temperature probe (for U1212A/13A only) (for U1194A only) (for U1233A only)																			
U1184A	Temperature probe adapter (for U1212A/13A only) (for U1194A only) (for U1233A only)																			
U1185A	J-type thermocouple and adapter (for U1242A only) (for U1252A /53B only) (for U1272A/73A/73AX)																			
U1186A	K-type themocouple and adapter (for U1212A/13A only) (for U1194A only) (for U1233A only)																			
U1586B	Temperature module (for U1233A only)																			
Carry case/	hanging kit/brackets																			
34131A	Transit case																			
34161A	Accessory pouch																			
34162A	Accessory pouch																			
34398A	RS-232 cable, 9-pin (F) to 9-pin (F)																			
82350A	Interface card, high-performance PCI to GPIB																			
82357B	USB/GPIB interface																			
U1171A	Magnetic hanging kit																			
U1172A	Transit case (aluminum-clad)																			
U1580A	DMM terminal test lead set		_	_	_	_														
U1174A	Soft carrying case																			
U1175A	Soft carrying case			_			_													
U1178A	Soft carrying case																			
Power/cabl	es/interface card																			
10833A/B/ C/D/F/G	GPIB cable																			
34102A	Low thermal input cable																			
U1170A	Battery charger adapter																			
111179A	(for U1250/52/53B only)																			
U1173A	IR-to-USB cable																			

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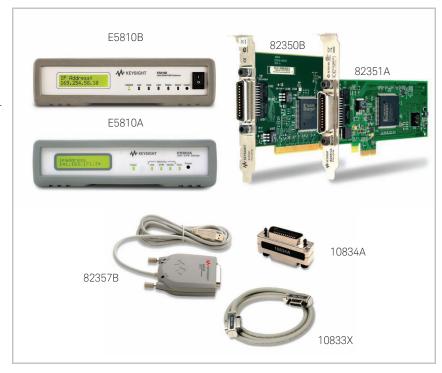
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