## Index

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Digits of resolution</th>
<th>Measurement speed (reading/s at 4½ digits)</th>
<th>Basic 1-yr DCV accuracy</th>
<th>Basic measurements</th>
<th>Connectivity &amp; software</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3401A/U3402A</td>
<td>Benchtop DMM, dual display Elegantly simple and affordable DMMs with basic and good capabilities</td>
<td>N/A</td>
<td>N/A</td>
<td>0.0120%</td>
<td>DCV, ACV, DCI, ACI, 2-wire resistance (4-wire on U3402A), frequency, continuity, and diode</td>
<td>N/A</td>
<td>4</td>
</tr>
<tr>
<td>U3606A/U3806B</td>
<td>5.5-digit DMM with built-in 30 W power supply Halves bench/rack-space need for two instruments</td>
<td>5½</td>
<td>26</td>
<td>0.0250%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, continuity, diode, and capacitance</td>
<td>USB 2.0, GPIB</td>
<td>5</td>
</tr>
<tr>
<td>34450A</td>
<td>5.5 digit bench digital multimeter OLED dual display</td>
<td>5½</td>
<td>190</td>
<td>0.0150%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, continuity, diode, capacitance, and temperature</td>
<td>USB 2.0, Serial Interface (RS-232), GPIB</td>
<td>6</td>
</tr>
<tr>
<td>34460A/34461A</td>
<td>Bench/System DMM Graphical color dual-line display with histogram and trend charts</td>
<td>6½</td>
<td>300/1000</td>
<td>0.0075/0.0035%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, continuity, diode, temperature, capacitance</td>
<td>USB, LAN/LXI Core, GPIB, BenchVue software enabled</td>
<td>7</td>
</tr>
<tr>
<td>34465A</td>
<td>Bench/System DMM Includes 34461A features plus data logging, digitizing and auto calibration</td>
<td>6½</td>
<td>50,000</td>
<td>0.0030%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire, resistance, frequency, period, continuity, diode, temperature, capacitance, DC ratio</td>
<td>USB, LAN/LXI Core, GPIB optional, BenchVue software enabled</td>
<td>8</td>
</tr>
<tr>
<td>34470A</td>
<td>Bench/System DMM Includes 34461A features plus data logging, digitizing and auto calibration</td>
<td>7½</td>
<td>50,000</td>
<td>0.0016%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire, resistance, frequency, period, continuity, diode, temperature, capacitance, DC ratio</td>
<td>USB, LAN/LXI Core, GPIB optional, BenchVue software enabled</td>
<td>8</td>
</tr>
<tr>
<td>34401A*</td>
<td>Bench/System DMM Industry standard for accuracy, speed, measurement ease and versatility</td>
<td>6½</td>
<td>1000</td>
<td>0.0035%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, continuity, and diode.</td>
<td>GPIB, RS-232, DMM Connectivity BenchVue software enabled</td>
<td>9</td>
</tr>
<tr>
<td>34410A/34411A*</td>
<td>Bench/System DMM, dual-line display Highest through-put of benchtop DMMs</td>
<td>6½</td>
<td>10,000-50,000 (34410A) 50,000 (34411A)</td>
<td>0.0030%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, continuity test, capacitance, temperature</td>
<td>USB, LAN/LXI Core, GPIB, BenchVue software enabled</td>
<td>10</td>
</tr>
<tr>
<td>34420A</td>
<td>Nanovolt/µΩ meter Very accurate, low-level measurements</td>
<td>7½</td>
<td>250</td>
<td>0.0030%</td>
<td>DCV, DCI, 2- and 4-wire resistance, 2 channel scanning, temperature</td>
<td>GPIB, RS-232, Intuilink software</td>
<td>11</td>
</tr>
</tbody>
</table>
## Index

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Digits of resolution</th>
<th>Measurement speed (reading/s at 4½ digits)</th>
<th>Basic 1-yr DCV accuracy</th>
<th>Basic measurements</th>
<th>Connectivity &amp; software</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3458A</td>
<td>Bench/System DMM</td>
<td>8½</td>
<td>100000 (@ 4½ digits)</td>
<td>0.0008% (0.0004% optional)</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, and temperature</td>
<td>GPIB</td>
<td>12</td>
</tr>
<tr>
<td>U1177A/U1117A</td>
<td>Infrared (IR)-to-Bluetooth Adapter Enables Bluetooth connection to compatible Keysight handhelds</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Keysight Mobile Meter</td>
<td>13</td>
</tr>
<tr>
<td>U1190 Series</td>
<td>Handheld DMM Illuminate test area and measure in safer manner</td>
<td>3½</td>
<td>3</td>
<td>0.5%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, continuity, diode, capacitance, temperature</td>
<td>N/A</td>
<td>14</td>
</tr>
<tr>
<td>U1210 Series</td>
<td>Handheld clamp meter For convenient high current measurements</td>
<td>3½</td>
<td>7</td>
<td>0.5%</td>
<td>DCV, ACV, DCI, ACI, 2-wire resistance, frequency, continuity, diode test, capacitance, temperature</td>
<td>IR-USB, Bluetooth</td>
<td>15</td>
</tr>
<tr>
<td>U1230 Series</td>
<td>Handheld DMM Retool your expectations with the Keysight U1230 Series handheld DMM</td>
<td>3½</td>
<td>5</td>
<td>0.5%</td>
<td>DCV, ACV, DCI, ACI, resistance, frequency, continuity, diode test, capacitance, temperature</td>
<td>IR-USB, Bluetooth</td>
<td>16</td>
</tr>
<tr>
<td>U1240B Series</td>
<td>Handheld DMM Feature-rich and robust DMMs</td>
<td>4</td>
<td>7</td>
<td>0.09%</td>
<td>DCV, DCI, ACV, ACI, 2-wire resistance, frequency, continuity, diode test, switch counter, harmonic ratio, capacitance, temperature, 4-20 mA % scale</td>
<td>IR-USB, Bluetooth</td>
<td>17</td>
</tr>
<tr>
<td>U1240C Series</td>
<td>Handheld DMM Perform test confidently and efficiently</td>
<td>4½</td>
<td>5</td>
<td>0.09%</td>
<td>DCV, DCI, ACV, ACI, 2-wire resistance, frequency, continuity, diode test, switch counter, harmonic ratio, capacitance, temperature, 4-20 mA % scale</td>
<td>IR-USB, Bluetooth</td>
<td>18</td>
</tr>
<tr>
<td>U1250 Series</td>
<td>Handheld DMM Versatile, high performance DMMs</td>
<td>4½</td>
<td>7</td>
<td>0.025%</td>
<td>DCV, DCI, ACV, ACI, 2-wire resistance, frequency, continuity, diode test, dB, capacitance, temperature, frequency counter, 4-20 mA % scale</td>
<td>IR-USB, Bluetooth</td>
<td>19</td>
</tr>
<tr>
<td>U1270 Series</td>
<td>Handheld DMM More functionality in a single tool</td>
<td>4½</td>
<td>7</td>
<td>0.05%</td>
<td>DCV, DCI, ACV, ACI, 2-wire resistance, frequency, continuity, diode test, dB, capacitance, temperature, frequency counter, 4-20 mA % scale</td>
<td>IR-USB, Bluetooth</td>
<td>20</td>
</tr>
<tr>
<td>U1280 Series</td>
<td>Handheld DMM Trustworthy measurements in the palm of your hand</td>
<td>4½</td>
<td>5</td>
<td>0.025%</td>
<td>DCV, DCI, ACV, ACI, 2-wire resistance, frequency, continuity, diode test, dB, capacitance, temperature, frequency counter, 4-20 mA % scale</td>
<td>IR-USB, Bluetooth</td>
<td>21</td>
</tr>
<tr>
<td>U1401B</td>
<td>Handheld multi-function calibrator/calibrator and DMM in one tool</td>
<td>4½</td>
<td>3</td>
<td>0.003%</td>
<td>DCV, ACV, DCI, ACI, 2-wire resistance, temperature, frequency, diode test, continuity, pulse width, duty cycle</td>
<td>IR-USB</td>
<td>22</td>
</tr>
<tr>
<td>U2741A</td>
<td>USB Modular DMM Compact, with plug-and-play simplicity</td>
<td>5½</td>
<td>100</td>
<td>0.02%</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency and period, continuity, diode test, temperature</td>
<td>USB 2.0</td>
<td>23</td>
</tr>
<tr>
<td>M9181A</td>
<td>PXI DMM - basic features. Best for functional test when there are multiple tests with range or function changes.</td>
<td>6½</td>
<td>150</td>
<td>0.009%</td>
<td>DCV, DCI, ACV, ACI, 2- and 4-wire resistance</td>
<td>PXI module: IVI-C, IVI-COM, LabVIEW, MATLAB drivers. Signametrics compatible driver is also available</td>
<td>24</td>
</tr>
<tr>
<td>M9182A/M9183A</td>
<td>PXI DMM - enhanced performance models. Best for functional test when there are multiple tests with range or function changes.</td>
<td>6½</td>
<td>4,500 for M9182A 15,000 for M9183A</td>
<td>0.04%</td>
<td>All M9181A measurements, plus frequency/period, capacitance, and temperature. M9183A includes duty cycle, counter/totalizer, and DC source.</td>
<td>PXI–hybrid module; IVI-C, IVI-COM, LabVIEW, MATLAB drivers. Signametrics compatible driver is also available</td>
<td>24</td>
</tr>
</tbody>
</table>

## Accessories Compatibility Chart

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 - 26</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
</tr>
</tbody>
</table>
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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.02%</td>
</tr>
<tr>
<td>Reading speed</td>
<td>N/A</td>
</tr>
<tr>
<td>Measurement functions</td>
<td>DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, diode, continuity</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Ordering information
U3401A 4½ digit dual display digital multimeter
U3402A 5½ 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

Technical datasheet:
Literature number 5990-3970EN
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 mΩ measurement with 0.001 mΩ 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.025%</td>
</tr>
<tr>
<td>Reading speed</td>
<td>26 readings/second</td>
</tr>
<tr>
<td>Measurement functions</td>
<td>DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, diode, continuity, and capacitance</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>GPIB, USB 2.0</td>
</tr>
</tbody>
</table>

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  

Technical datasheet:
Literature number 5991-2849EN
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

5.5 digit OLED dual display allows clear and quick view of measurements

Fast 190 readings/sec and 0.015% DCV accuracy to help you achieve throughput breakthrough

Key specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.015%</td>
</tr>
<tr>
<td>Reading speed</td>
<td>190 readings/s</td>
</tr>
<tr>
<td>Measurement functions</td>
<td>DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, diode, continuity, capacitance, temperature</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>USB 2.0, Serial Interface (RS-232) and GPIB</td>
</tr>
</tbody>
</table>

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
The new standard for uncompromising performance in bench and system test

34460A/34461A 6½ 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.0075/0.0035%</td>
</tr>
<tr>
<td>Reading speed</td>
<td>300/1000 readings/s</td>
</tr>
<tr>
<td>Measurements</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, diode, continuity, temperature</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>USB, LAN/LXI Core (Option on 34460A, Std on 34461A) GPIB (Optional)</td>
</tr>
</tbody>
</table>

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)

Technical datasheet:
Literature number 5991-1983EN
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 µA 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.0030/0.0016%</td>
</tr>
<tr>
<td>Reading speed – 4½ Digits</td>
<td>50,000 readings/s</td>
</tr>
<tr>
<td>Measurements</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, frequency, period, diode, continuity, temperature capacitance, DC ratio</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>USB, LAN/LXI Core, GPIB (Optional)</td>
</tr>
</tbody>
</table>

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

Technical datasheet:
Literature number 5991-1983EN
Uncompromising performance for benchtop and system testing

34401A 6½ digit multimeter (Replaced by 34461A 6½ digit Truevolt multimeter)

NOTICE: The 34401A DMM will be discontinued December 1, 2016.
For migration details visit: www.keysight.com/find/nextgenDMMs

Key features
- 1000 V maximum input
- SCPI commands standard
- IntuiLink Connectivity Software included

Key specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.0035%</td>
</tr>
<tr>
<td>Reading speed – DCV</td>
<td>1000 readings/second</td>
</tr>
<tr>
<td>Measurements</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, diode, continuity</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>GPIB, RS-232</td>
</tr>
</tbody>
</table>

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
Affordable yet feature-rich measurement tool
34410A/34411A 6½ digit multimeter

NOTICE: The 34410A/34411A DMMs will be discontinued December 1, 2016.
For migration details visit: www.keysight.com/find/nextgenDMMs

Key features

Keysight 34410A 6½ digit high-performance DMM
- Expanded measurement ranges
- Data logger with 50k reading non-volatile memory

Keysight 34411A 6½ 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

Key specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>34410A 6½ digit digital multimeter</th>
<th>34411A 6½ digit digital multimeter</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.0030%</td>
<td></td>
</tr>
<tr>
<td>Reading speed – DCV</td>
<td>34410A 10,000 readings/s</td>
<td>34411A 50,000 readings/s</td>
</tr>
<tr>
<td>Measurements</td>
<td>DCV, ACV, DCI, ACI, 2- and 4-wire resistance, continuity, diode, capacitance, temperature</td>
<td></td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>GPIB, USB 2.0, LAN (LXI Core)</td>
<td></td>
</tr>
</tbody>
</table>

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)

Technical datasheet:
Literature number 5989-3738EN
Nanovolt performance at a micro-volt price
34420A 7½ digit multimeter

Key features
- 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

3½ digit resolution

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

Selectable analog or digital filtering

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

Key specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.0030%</td>
</tr>
<tr>
<td>Reading speed – DCV</td>
<td>250 readings/s</td>
</tr>
<tr>
<td>Measurements</td>
<td>DCV, 2- and 4-wire resistance, temperature</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>GPIB, RS-232</td>
</tr>
</tbody>
</table>

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

Technical datasheet:
Literature number 5968-0161EN
Shattering performance barriers of speed and accuracy
3458A 8½ digit multimeter

Key features
- 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

Key specifications
<table>
<thead>
<tr>
<th>DCV accuracy</th>
<th>0.0008% (Optional 0.0004%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading speed DVC</td>
<td>Up to 100,000 readings/second (41/2 digits)</td>
</tr>
<tr>
<td>Measurements</td>
<td>DCV, ACV, DCl, ACI, 2-wire and 4-wire resistance, frequency</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>GPIB</td>
</tr>
</tbody>
</table>

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

**Keysight Remote Link Solution**

The remote link is Keysight Technologies, Inc.'s next generation wireless connectivity. With the new U1117A Infrared (IR)-to-Bluetooth® adapter and U1115A remote logging display, you can safely measure, view and log test measurements with an extended range of up to 100 meters. You can now log and monitor data on more display devices such as iOS / Android-based smart devices or on a Windows-based PC. By simply attaching the U1177A / U1117A IR-to-Bluetooth adapter to the IR port of a Keysight handheld meter, you’ll get instant wireless Bluetooth connection setup.

**Key features**

- Extended measurement distance of up to 100 meters
- View readings of up to four handheld meters simultaneously
- Compatible across all existing Keysight U1200 series handheld meters
- 60,000 points interval logging
- Download logged data to a PC via Bluetooth connection
- Micro USB external power port
- Indoor and outdoor viewing modes

---

1. U1115A

---

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 detection
- Built-in LED flashlight to illuminate test area
- Current measurement up to 600 A
- Digital multimeter (DMM) with Resistance, Capacitance, DCV, ACV, DCμA, ACμA, Continuity and Diode test measurements
- CAT III 600 V / CAT IV 300 V overvoltage protection

1. Only for U1192A, U1193A and U1194A
2. Only for U1193A and U1194A
3. Only for U1194A

Key specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.5+3</td>
</tr>
<tr>
<td>Reading speed</td>
<td>3 readings/s</td>
</tr>
<tr>
<td>Measurement functions</td>
<td>DCV, ACV, DCI, ACI, resistance, capacitance, diode test, temperature, frequency, continuity</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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
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 overvoltage protection
- 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
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.50%</td>
</tr>
<tr>
<td>Reading speed</td>
<td>7 readings/s</td>
</tr>
<tr>
<td>Measurements</td>
<td>DCV, ACV, DCI, ACI, 2-wire resistance, capacitance, temperature, frequency, diode test, continuity</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>IR-USB and Bluetooth</td>
</tr>
</tbody>
</table>

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 number 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)

Key specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.5%+2</td>
</tr>
<tr>
<td>Reading speed</td>
<td>5 readings/s</td>
</tr>
<tr>
<td>Measurement functions</td>
<td>DCV, ACV, ACI, DCI, diode test, capacitance, resistance, temperature*, frequency, continuity test</td>
</tr>
<tr>
<td></td>
<td>*Applies to U1233A only</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>IR-USB and Bluetooth</td>
</tr>
</tbody>
</table>

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

Technical datasheet:
Literature number 5990-7550EN
Check more, fix more, spend less
U1240B 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 overvoltage protection

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

Key specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.09%</td>
</tr>
<tr>
<td>Reading speed</td>
<td>7 readings/s</td>
</tr>
<tr>
<td>Measurement functions</td>
<td>DCV, ACV, DCI, ACI, 2-wire resistance, frequency, capacitance, temperature, diode, continuity tests</td>
</tr>
</tbody>
</table>

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)

Technical datasheet:
Literature number 5989-7040EN
Perform test confidently and efficiently over a longer period of time!

U1240C Series handheld digital multimeters

Key features

- 10,000-count dual display
- Up to 0.09% basic DCV accuracy
- Longer battery life up to 400 hours
- Certified to IP 67 for water and dust protection and tested to withstand a 3-meter (10-ft) drop
- Built-in flashlight
- (U1242C) Vsense for non-contact voltage detection, built-in harmonic ratio, low impedance mode, T1 - T2 differential temperature

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

Key specifications

- DCV accuracy: 0.09%
- Reading speed: 5 readings/s
- Measurement functions: Voltage, current, frequency, capacitance, resistance, continuity, diode test and temperature
- Type of connectivity: IR-USB and Bluetooth

Ordering information

U1241C digital multimeter
U1242C digital multimeter

Each handheld comes with:
- Test leads (red and black)
- Infrared (IR)-to-USB cable
- Four 1.5 V AAA alkaline batteries
- Quick start guide
- Certificate of calibration

Technical datasheet:
Literature number 5992-0848EN
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

<table>
<thead>
<tr>
<th>Feature</th>
<th>DCV accuracy</th>
<th>Speed</th>
<th>Measurement functions</th>
<th>Type of connectivity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.25%</td>
<td>100 readings/s</td>
<td>DCV, ACV, DCI, ACI, 2-wire resistance, frequency, capacitance, temperature, diode, continuity tests</td>
<td>IR-USB and Bluetooth</td>
</tr>
</tbody>
</table>

Ordering information
U1251B digital multimeter
U1252B digital multimeter
U1253B digital multimeter

Each U1251B includes:
- One 9V size alkaline battery
- Certificate of calibration
- Test probe leads (4-mm tips)
- Quick start guide
- Free test data (Option UK6)

Each U1252B/U1253B includes:
- One 9V size rechargeable Ni-MH battery
- Certificate of calibration
- Test probe leads (4-mm tips)
- Quick start guide
- Free test data (Option UK6)

Technical datasheet:
Literature number 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 angle¹
- Measurement functions: DCV, DCI, ACV, ACI, 2-wire resistance, frequency, capacitance, continuity, diode test
- Type of connectivity: IR-USB and Bluetooth
- Water and dust resistance (IP 54)
- CAT III 1000 V / CAT IV 600 V overvoltage protection

¹ With U1273AX

Key specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>DCV accuracy</th>
<th>Speed</th>
<th>Measurement functions</th>
<th>Type of connectivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.05%</td>
<td></td>
<td>DCV, DCI, ACV, ACI, 2-wire resistance, frequency, capacitance, continuity, diode test</td>
<td>IR-USB and Bluetooth</td>
</tr>
<tr>
<td>Speed</td>
<td>7 readings/s</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
Trustworthy measurements in the palm of your hand!
U1280 Series handheld digital multimeters

Key features
- 60,000-count dual display
- Up to 0.025% basic DCV accuracy
- Longer battery life up to 800 hours
- Certified to IP 67 for water and dust protection and tested to withstand a 3-meter (10-ft) drop
- (U1282A only) Vsense for non-contact voltage detection, square wave output, low pass filter, frequency counter

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

Key specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.025%</td>
</tr>
<tr>
<td>Speed</td>
<td>5 readings/s</td>
</tr>
<tr>
<td>Measurement functions</td>
<td>Voltage, current, frequency, capacitance, resistance, continuity, diode test and temperature</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>IR-USB and Bluetooth</td>
</tr>
</tbody>
</table>

Technical datasheet:
Literature number 5992-0847EN

Ordering information
U1281A digital multimeter
U1282A digital multimeter

Each handheld comes with:
- Test leads (red and black)
- Infrared (IR)-to-USB cable
- Four 1.5 V AA alkaline batteries
- Quick Start Guide
- Certificate of calibration
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 and frequency measurements
- Data logging to PC with optional

Key specifications

<table>
<thead>
<tr>
<th>DCV accuracy</th>
<th>0.003%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading speed</td>
<td>3 readings/s</td>
</tr>
<tr>
<td>Measurement</td>
<td>DCV, ACV, DCI, ACI, 2-wire resistance, temperature, frequency, diode test, continuity, pulse width, duty cycle</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>IR-USB</td>
</tr>
</tbody>
</table>

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 number 5990-3459EN
A bench that fits into your bag
U2741A 5½ digit USB modular multimeter

Key features
- Up to 300 VDC with 5½ 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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCV accuracy</td>
<td>0.02%</td>
</tr>
<tr>
<td>Reading speed - DCV</td>
<td>100 readings/s</td>
</tr>
<tr>
<td>Measurement</td>
<td>DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, temperature, diode, continuity tests</td>
</tr>
<tr>
<td>Type of connectivity</td>
<td>USB 2.0</td>
</tr>
</tbody>
</table>

Bundled software - Keysight Measurement Manager (AMM)

View voltage along with time using dual display mode

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)

Technical datasheet:
Literature number 5991-0042EN
Challenge the boundaries of test
M9181A/M9182A/M9183A PXI 6½ digit multimeters

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9181A</td>
<td>PXI digital multimeter, 6½ digit, basic features</td>
</tr>
<tr>
<td>M9182A</td>
<td>PXI-H digital multimeter, 6½ digit, high performance</td>
</tr>
<tr>
<td>M9183A</td>
<td>PXI-H digital multimeter, 6½ digit, enhanced performance</td>
</tr>
</tbody>
</table>

**Comparison of Keysight PXI DMM models**

<table>
<thead>
<tr>
<th></th>
<th>M9181A</th>
<th>M9182A</th>
<th>M9183A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>6½ digits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum reading rate</td>
<td>150 readings/s</td>
<td>4,500 readings/s</td>
<td>15,000 readings/s</td>
</tr>
<tr>
<td>Maximum transactional</td>
<td>6.7 ms</td>
<td>222 µs</td>
<td>66 µs</td>
</tr>
<tr>
<td>speed (single reading</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>interval time)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurements and</td>
<td>DCV, DCI,</td>
<td>All M9181A</td>
<td>All M9182A</td>
</tr>
<tr>
<td>functions</td>
<td>True RMS ACV and ACI,</td>
<td>measurements, plus</td>
<td>measurements plus</td>
</tr>
<tr>
<td></td>
<td>2- and 4-wire resistance</td>
<td>frequency/period,</td>
<td>duty cycle, counter/totalizer, DC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>temperature, and</td>
<td>source, and extended</td>
</tr>
<tr>
<td></td>
<td></td>
<td>capacitance</td>
<td>measurement ranges</td>
</tr>
<tr>
<td>Basic 1 year DCV</td>
<td>0.009%</td>
<td>0.004%</td>
<td>0.004%</td>
</tr>
<tr>
<td>accuracy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floating isolation</td>
<td>Up to 240 V</td>
<td>Up to 300 V</td>
<td>Up to 300 V</td>
</tr>
<tr>
<td>(CAT II)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triggering</td>
<td>Immediate</td>
<td>Immediate, analog level, programmable</td>
<td>program pre/post triggering, PXI trigger bus</td>
</tr>
<tr>
<td>Reading storage</td>
<td>none</td>
<td>Circular buffer, 80 readings</td>
<td></td>
</tr>
<tr>
<td>Connector capability</td>
<td>cPCI, PXI-1</td>
<td>cPCI, PXI-H, PXI-1</td>
<td></td>
</tr>
<tr>
<td>Software</td>
<td>Drivers</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IVI-C, IVI-COM, LabVIEW, MATLAB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supported software</td>
<td>Visual Studio (VB.NET, C#, C/C++), VEE, LabVIEW, LabWindows/CVI, MATLAB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>development</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>environments</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Included GUI</td>
<td>Soft front panel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application code</td>
<td>C/C++, Visual Basic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>examples</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)
## Accessories Compatibility Chart

<table>
<thead>
<tr>
<th>Ordering number</th>
<th>Description</th>
<th>Handheld clamp meter</th>
<th>Handheld DMMs</th>
<th>Bench DMMs</th>
<th>Modular DMM</th>
<th>Handheld calibrator meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>34137A</td>
<td>Deluxe test lead set</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34190A</td>
<td>Rackmount kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34191A</td>
<td>2U dual flange kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34194A</td>
<td>Dual lock link kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34307A</td>
<td>Thermocouple kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34308A</td>
<td>Thermistor kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>E3600A-100</td>
<td>Test lead kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1161A</td>
<td>Extended test lead kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1168B</td>
<td>Standard test lead kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1180A</td>
<td>Thermocouple adapter+lead kit (for U1242B only) (for U1252/53B only) (for U1272A/73/73AX)</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U8201A</td>
<td>Combo test lead kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U8202A</td>
<td>Electronic test lead kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>Y1133A</td>
<td>Low-thermal external DMM scanning kit</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>11059A</td>
<td>Kelvin prob set</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>11060A</td>
<td>Surface mount device probe</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>11062A</td>
<td>Kelvin clip set</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34103A</td>
<td>Low thermal shorting plug</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34104A</td>
<td>Low thermal input connector</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34131A</td>
<td>Transit case</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34133A</td>
<td>Precision electronic test leads</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34134A</td>
<td>DC coupled current probe</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34136A</td>
<td>High voltage probe</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34138A</td>
<td>Test lead set</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34171B</td>
<td>Input terminal block</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34172B</td>
<td>Calibration short</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>34330A</td>
<td>30 A current shunt</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>E2308A</td>
<td>Thermister temperature probe</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1115A</td>
<td>Remote logging display</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1117A</td>
<td>Infrared (IR)-to-Bluetooth adapter</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1162A</td>
<td>Alligator clips</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1163A</td>
<td>SMT grabbers</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1164A</td>
<td>Fine-tip test probes</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1169A</td>
<td>Test probe leads</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1176A</td>
<td>Probe clip light</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1177A</td>
<td>Infrared (IR)-to-Bluetooth adapter</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1580A</td>
<td>DMM terminal test lead set</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
<tr>
<td>U1583B</td>
<td>AC current clamp</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
</tr>
</tbody>
</table>
### Accessories Compatibility Chart

<table>
<thead>
<tr>
<th>Ordering number</th>
<th>Description</th>
<th>Handheld clamp meters</th>
<th>Handheld DMMs</th>
<th>Bench DMMs</th>
<th>PXI modular</th>
<th>Modular DMM</th>
<th>Handheld calibrator/meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>U1170A</td>
<td>IR connectivity/bracket</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U1181A</td>
<td>Immersion temperature probe (for U1212A/13A only)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U1182A</td>
<td>Industrial surface temperature probe (for U1212A/13A only)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U1183A</td>
<td>Air temperature probe (for U1212A/13A only)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U1184A</td>
<td>Temperature probe adapter (for U1212A/13A only)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U1185A</td>
<td>Thermocouple (U-type) and temperature probe adapter (for U1212A/13A only)</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U1186A</td>
<td>Thermocouple (K-Type) and temperature probe adapter (for U1212A/13A only)</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U1586B</td>
<td>Temperature module (for U1253A only)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U54044</td>
<td>Remote test probe for U1280 Series</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Probes/adapters/leads for temperature measurement

- U1181A: Immersion temperature probe (for U1212A/13A only)
- U1182A: Industrial surface temperature probe (for U1212A/13A only)
- U1183A: Air temperature probe (for U1212A/13A 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)
- 82950A: Interface card, high-performance PCI to GPIB
- 82357B: USB/GPIB interface
- U1171A: Magnetic hanging kit
- U1172A: Transit case (aluminum-clad)
- U1174A: Soft carrying case
- U1175A: Soft carrying case
- U1178A: Soft carrying case
- U1594A: Hard carrying case
- U1595A: Rugged carrying case

#### Power/cables/interface card

- 10833A/B/C/D/F/G: GPIB cable
- 34102A: Low thermal input cable
- U1170A: Battery charger adapter (for U1250/52/53B only)
- U1173A: IR-to-USB cable
Linking up your instruments to the PC

Keysight GPIB and Instrument Control Products helps connect your instruments to PC easily, reliably and affordably. From legendary GPIB cables to the one-box connectivity gateway, see how each provides seamless integration of your instrument no matter where they are placed in your system. www.keysight.com/find/gpib

BenchVue software

Data capture simplified. Click. Capture. Done.

BenchVue software for the PC makes it simple to connect, control, capture and view Keysight’s DMMs simultaneously with other Keysight bench instruments and with no additional programming.

The Digital Multimeter app within BenchVue enables control of digital multimeters to visualize measurements, perform data logging and annotate captured data (included in model BV0000A). Upgrading to the Pro version (model #BV0001A) provides histograms, digitizer capability and unrestricted data logging with limit checking and alerts.

Download BenchVue software at no cost today. www.keysight.com/find/benchvue

Keysight handheld meter logger software

Perform measurements with U1210 Series, U1230 Series, U1240B Series†, U1240C Series, U1250 Series, U1270 Series, U1280 Series and U1450A/ U1460A using Windows-based PC

- Connect up to 10 handheld meters – 5x IR-to-Bluetooth
- Adapter (U1177A, U1117A) and 5x IR-USB cable (U1173B)
- Meter view (live measurements) and logger view (graph with zoom and pan) mode
- Manage multi-session data logging within the software and export the data to other software (Microsoft Excel)

Keysight handheld meter logger software for PC can be downloaded from: www.keysight.com/find/hhmeterlogger

Keysight GPIB and instrument control products help connect your instruments to PC easily, reliably and affordably. From legendary GPIB cables to the one-box connectivity gateway, see how each provides seamless integration of your instrument no matter where they are placed in your system. www.keysight.com/find/gpib

1. One hour limit in no cost version.
2. For the U1240B Series, you also need to purchase the U1179A IR connectivity bracket to enable IR connectivity.
3. Only allows one connection at a time.
From Hewlett-Packard through Agilent to Keysight
For more than 75 years, we’ve been helping you unlock measurement insights. Our unique combination of hardware, software and people can help you reach your next breakthrough. **Unlocking measurement insights since 1939.**

myKeysight
www.keysight.com/find/mykeysight
A personalized view into the information most relevant to you.

Three-Year Warranty
www.keysight.com/find/ThreeYearWarranty
Keysight’s committed to superior product quality and lower total cost of ownership. Keysight is the only test and measurement company with three-year warranty standard on all instruments, worldwide. And, we provide a full one-year warranty on all accessories, calibration devices, systems and custom products.

Keysight Assurance Plans
www.keysight.com/find/AssurancePlans
Up to ten years of protection and no budgetary surprises to ensure your instruments are operating to specification, so you can rely on accurate measurements.

Keysight Infoline
www.keysight.com/find/service
Keysight’s insight to best in class information management. Free access to your Keysight equipment company reports and e-library.

Keysight Channel Partners
www.keysight.com/find/channelpartners
Get the best of both worlds: Keysight’s measurement expertise and product breadth, combined with channel partner convenience.

Bluetooth and the Bluetooth logos are trademarks owned by Bluetooth SIG, Inc., U.S.A. and licensed to Keysight Technologies, Inc.

www.keysight.com/find/dmm

For more information on Keysight Technologies’ products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

Americas
Canada (877) 894 4414
Brazil 55 11 3351 7010
Mexico 001 800 254 2440
United States (800) 829 4444

Asia Pacific
Australia 1 800 629 485
China 800 810 0189
Hong Kong 800 938 693
India 1 800 11 2626
Japan 0120 (421) 345
Korea 080 769 0800
Malaysia 1 800 888 848
Singapore 1 800 375 8100
Taiwan 0800 047 866
Other AP Countries (65) 6375 8100

Europe & Middle East
Austria 0800 001122
Belgium 0800 58580
Finland 0800 523252
France 0805 980333
Germany 0800 6270999
Ireland 1800 832700
Israel 1 809 343051
Italy 800 599100
Luxembourg +32 800 58580
Netherlands 0800 0233200
Russia 8800 5009286
Spain 800 000154
Sweden 0200 892255
Switzerland 0800 805353
Opt. 1 (DE)
Opt. 2 (FR)
Opt. 3 (IT)
United Kingdom 0800 0260637

For other unlisted countries:
www.keysight.com/find/contactus

www.keysight.com/go/quality
Keysight Technologies, Inc.
DEKRA Certified ISO 9001:2008
Quality Management System

This information is subject to change without notice.
© Keysight Technologies, 2011 – 2015
Published in USA, December 11, 2015
5990-5315EN
www.keysight.com