

# Keysight U1240C Series Handheld Digital Multimeters

Perform test confidently and efficiently over a longer period of time!

Keysight Technologies, Inc.'s U1240C series handheld digital multimeters (DMMs) is a strong and solid tool that helps you work efficiently. Certified to IP 67 and capable to withstand a 3-meter (10 feet) drop to suit harsh working environments, these durable DMMs can even work longer for you with up to 400 hours of battery life. Better yet, you can optimize productivity with unique data logging functionality designed to run seamlessly with the DMM. Confidence and efficiency - everything you need to get the job done.



## Features

- Basic DCV accuracy of 0.09%
- Longer battery life up to 400 hours
- Tested to withstand a 3-meter (10-ft) drop
- With Keysight Remote Link solution, add on U1117A Infrared (IR)- to-Bluetooth® Adapter (optional accessory) to get instant wireless Bluetooth connection
- 2 years calibration cycle



U1240C series is compatible with Keysight Remote Link solution to safely measure, view and log test measurements.



Capture test readings easily with the Keysight handheld meter logger software



Easy access to the battery and fuse compartment

## Product description

| Part number                           | U1241C  | U1242C  |
|---------------------------------------|---|---|
| <b>Basic features</b>                 |   |   |
| Display resolution                    | 10,000  | 10,000  |
| Auto/manual ranging                   | Yes   | Yes   |
| Analog bar graph                      | Yes   | Yes   |
| Backlight                             | Yes   | Yes   |
| AC bandwidth                          | 2 kHz   | 2 kHz   |
| True RMS                              | AC  | AC (Switchable to average responding for AC measurement)          |
| <b>Measurements</b>                   |   |   |
| Voltage DC                            | Range   | 100 mV to 1000 V  |
|                                       | Accuracy  | 0.09 % + 2 cnts   |
| Voltage AC                            | Range   | 100 mV to 1000 V  |
|                                       | Accuracy  | 1.0 % + 3 cnts  |
| Current DC                            | Range   | 1000 $\mu$ A to 10 A  |
|                                       | Accuracy  | 0.1 % + 2 cnts  |
| Current AC                            | Range   | 1000 $\mu$ A to 10 A  |
|                                       | Accuracy  | 1 % + 3 cnts  |
| Resistance                            | Range   | 1000 $\Omega$ to 100 M $\Omega$                                   |
|                                       | Accuracy  | 0.2 % + 2 cnts  |
| Frequency                             | Range   | 100 Hz to 10 MHz  |
|                                       | Accuracy  | 0.02 % + 1 cnts   |
| Capacitance                           | Range   | 1000 nF to 10 mF  |
|                                       | Accuracy  | 1 % + 5 cnts  |
| Temperature (K-type thermocouple)     | Range   | –200 °C to 1372 °C  |
|                                       | Accuracy  | 1 % + 1 °C  |
| Continuity with beeper                | Yes   | Yes   |
| Diode test                            | Yes   | Yes   |
| <b>Data management</b>                |   |   |
| Min/Max recording                     | Yes   | Yes   |
| Display hold                          | Yes   | Yes   |
| Auto hold                             | Yes   | Yes   |
| Null                                  | Yes   | Yes   |
| PC-connectivity                       | Infrared (IR)-USB;<br>IR- <i>Bluetooth</i> (optional with U1117A) | Infrared (IR)-USB;<br>IR- <i>Bluetooth</i> (optional with U1117A) |
| <b>Special features</b>               |   |   |
| Harmonic ratio                        |   | Yes   |
| Vsense: Non-contact voltage detect    |   | Yes   |
| Z <sub>LOW</sub> - Low impedance mode |   | Yes   |

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Please consult with your distributor for final pricing.

## Product description (Continued)

| Part number                         | U1241C   | U1242C   |
|-------------------------------------|--|--|
| <b>Safety and regulatory</b>        |  |  |
| Over-voltage safety protection      | CAT III 1000 V / CAT IV 600 V                                      | CAT III 1000 V / CAT IV 600 V                                      |
| EN/IEC 61010-2-030: 2010 compliance | Yes  | Yes  |
| EN/IEC 61010-1: 2010 compliance     | Yes  | Yes  |
| <b>General</b>                      |  |  |
| Operating temperature               | –20 °C to 55 °C<br>0 % to 80 % R.H.                                | –20 °C to 55 °C<br>0 % to 80 % R.H.                                |
| Battery (included)                  | 4 x 1.5 V AAA  | 4 x 1.5 V AAA  |
| Battery life                        | 400 hours  | 400 hours  |
| Warranty                            | 3-year   | 3-year   |
| Calibration                         | One year, or; Two years (with 1.5 times of one year specification) | One year, or; Two years (with 1.5 times of one year specification) |
| Dimensions (H x W x D)              | 198 x 96 x 57 mm   | 198 x 96 x 57 mm   |
| MSRP                                | \$280  | \$300  |

## Recommended accessories

| Part number | Description   |
|-------------|---|
| U1595A      | Rugged carrying case for handheld digital multimeters |
| U1174A      | Soft carrying case                                    |
| U1171A      | Magnetic hanging kit                                  |
| U1176A      | LED flash light                                       |

## Recommended software

Keysight handheld meter logger software

Download for FREE now, visit:

[www.keysight.com/find/hhmeterlogger](http://www.keysight.com/find/hhmeterlogger)

## Standard shipped accessories

- Test leads (red and black)
- U1173B infrared (IR)-to-USB cable
- Four AAA batteries
- Quick start guide
- Certificate of calibration

For more information, go to:

[www.keysight.com/find/U1242C](http://www.keysight.com/find/U1242C)



### Three-Year Warranty

[www.keysight.com/find/ThreeYearWarranty](http://www.keysight.com/find/ThreeYearWarranty)

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

### Keysight Assurance Plans

[www.keysight.com/find/AssurancePlans](http://www.keysight.com/find/AssurancePlans)

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.



This information is subject to change without notice.

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Published in USA, September 3, 2015  
5992-1015END1  
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