

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
Basic features		
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)
Measurements		
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 μ A to 10 A
	Accuracy	0.1 % + 2 cnts
Current AC	Range	1000 μ A to 10 A
	Accuracy	1 % + 3 cnts
Resistance	Range	1000 Ω to 100 M Ω
	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
Data management		
Min/Max recording	Yes	Yes
Display hold	Yes	Yes
Auto hold	Yes	Yes
Null	Yes	Yes
PC-connectivity	Infrared (IR)-USB; IR-Bluetooth (optional with U1117A)	Infrared (IR)-USB; IR-Bluetooth (optional with U1117A)
Special features		
Harmonic ratio		Yes
Vsense: Non-contact voltage detect		Yes
Z _{LOW} - Low impedance mode		Yes

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Product description (Continued)

Part number	U1241C	U1242C
Safety and regulatory		
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
General		
Operating temperature	–20 °C to 55 °C 0 % to 80 % R.H.	–20 °C to 55 °C 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
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

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

Standard shipped accessories

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

Recommended software

Keysight handheld meter logger software

Download for FREE now, visit:
www.keysight.com/find/hhmeterlogger

For more information, go to:
www.keysight.com/find/U1242C

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Unlocking Measurement Insights

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