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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U1241C Handheld Digital Multimeter

Agilent / Keysight U1241C Handheld Digital Multimeter The Keysight U1241C isaU1240C Series handheld true-RMS digital multimeter. OEM U1240C data sheet 5992-2704 lists 10,000-count display, DC voltage accuracy 0.09 percent + 2 counts, CAT III 1000 V / CAT IV 600 V, IP67, and up to 400 hour battery life. Industrial electrical maintenance and field service needing rugged true-RMS handheld measurements. DC Voltage Accuracy: 0.09 percent + 2 counts The Keysight U1241C isaU1240C Series handheld true-RMS digital multimeter. OEM U1240C data sheet 5992-2704 lists 10,000-count display, DC voltage accuracy 0.09 percent + 2 counts, CAT III 1000 V / CAT IV 600 V, IP67, and up to 400 hour battery life. Industrial electrical maintenance and field service needing rugged true-RMS handheld measurements. DC Voltage Accuracy: 0.09 percent + 2 counts AC Voltage Accuracy: 1.0 percent + 3 counts



MODEL

**Agilent / Keysight
U1241C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U1241C

LISTING

<https://aumictechlabs.com/products/u1241c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight U1241C is a handheld digital multimeter designed for accurate and reliable measurements in various industrial and field applications. It has a 10,000-count dual display, providing enhanced readability for precise readings. The multimeter is built to withstand demanding environments, featuring IP67 dust and water resistance and the ability to survive

drops up to 10 feet. It also includes a built-in LED flashlight and offers an extended battery life of up to 400 hours, optimizing productivity for extended use.

Technical Specifications

General Features:

- * Display Resolution: 10,000 counts
- Display Type: Dual LCD with backlight (two intensity levels)
- True RMS: Yes
- Battery Life: Up to 400 hours
- Battery Type: 4 × 1.5 V AAA batteries

Data Logging: Internal memory for storing up to 2,000 readings; capable of remote data logging via USB or Bluetooth

Connectivity: IR-to-USB cable; Keysight Remote Link Solution enabled

Durability: IP67 certified for dust and water resistance; drop tested to 10 feet (3 meters)

Safety Ratings: CAT III 1000 V and CAT IV 600 V overvoltage protection

Operating Temperature: Not explicitly detailed in provided snippets but designed for harsh environments.

Included Accessories: Test leads, IR-to-USB cable, 4 x AAA batteries, Certificate of Calibration

Measurement Functions:

- * DC Voltage: * Ranges: 100 mV to 1000 V * Accuracy: $\pm 0.09\% + 2$ counts
- * Input Impedance: 10 M Ω (nominal)
- AC Voltage: * Ranges: 100 mV to 1000 V * Accuracy: $\pm 1.0\% + 3$ counts (True RMS)
- * AC Bandwidth: 2 kHz
- DC Current: * Ranges: 1000 μ A to 10 A * Accuracy: $\pm 0.1\% + 2$ counts
- * Continuous measurement up to 10 A at 50 °C maximum operating temperature
- AC Current: * Ranges: 1000 μ A to 10 A * Accuracy: $\pm 1.0\% + 3$ counts (True RMS, 40 Hz to 1 kHz)
- * AC Bandwidth: 2 kHz
- Resistance: * Ranges: 100 Ω to 100 M Ω
- Capacitance: * Ranges: 0.1 nF to 10 mF
- Frequency: * Ranges: 1 Hz to 200 kHz
- Temperature: * Ranges: -40 °C to 1000 °C
- * Dual temperature measurement capability (T1, T2, T1-T2)
- Diode Test: Yes
- Continuity Test: Audible buzzer sounds when resistance is < 10.0 Ω
- Harmonic Ratio: Yes
- Switch Counter: Yes
- Z-Low Measurement: Yes
- Vsense (Non-contact Voltage Detection): Yes
- Overload Protection: *
- Voltage Ranges: 1000 Vrms for circuits < 0.3 A short circuit current
- Current (mA Terminal): Protected by a 440 mA/1000 V, 10 kA fast-acting fuse
- Current (A Terminal): Protected by an 11 A/1000 V, 20 kA fast-acting fuse

Physical Characteristics

- * Dimensions: Not specified in available documentation.
- Weight: Not specified in available documentation.
- Ingress Protection: IP67 rated for dust and water resistance.
- Drop Test: Withstands drops up to 10 feet (3 meters).
- Built-in Flashlight: Yes, LED flashlight.

Compatibility

- * Software: Keysight Meter Logger software; Keysight Remote Link Solution enabled for PC connectivity.
- Operating Systems: Data can be transferred to PC via IR-to-USB or Bluetooth; compatible with Android devices when using the U1177A IR-to-Bluetooth adapter.

Why Choose Aumictech for Agilent/Keysight U1241C? At Aumictech, we specialize in supplying high-end test and measurement equipment. Whether you need precise diagnostic tools, solid field instruments, or advanced laboratory equipment, our team ensures the Keysight U1241C delivers maximum performance for your application.

U1241C Characteristics / Specifications

PARAMETER	VALUE
Model	U1241C
Display Resolution	10000 counts
DC Voltage Range	100 mV to 1000 V
DC Voltage Accuracy	0.09 percent + 2 counts
AC Voltage Range	100 mV to 1000 V
AC Voltage Accuracy	1.0 percent + 3 counts
AC Bandwidth	2 kHz
DC Current Range	1000 uA to 10 A
DC Current Accuracy	0.1 percent + 2 counts
AC Current Range	1000 uA to 10 A
AC Current Accuracy	1 percent + 3 counts
Resistance Range	1000 ohm to 100 Mohm
Resistance Accuracy	0.2 percent + 2 counts
Frequency Range	100 Hz to 10 MHz
Frequency Accuracy	0.02 percent + 1 count
Capacitance Range	1000 nF to 10 mF
Capacitance Accuracy	1 percent + 5 counts
Temperature RangeKType	minus 200 C to 1372 C
Safety Category	CAT III 1000 V / CAT IV 600 V
Ingress Protection	IP67
Battery Life Typical	400 hours
Battery Type	4 × 1.5 V AAA
Operating Temperature	minus 20 C to 55 C
Drop Rating	3 meter tested class
Remote Connectivity	Infrared IR port

PARAMETER	VALUE
Series Family	U1240C
Brand Lineage	Agilent / Keysight
Bandwidth	2 kHz

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 20 C to 55 C
Operating Temperature	minus 20 C to 55 C
Drop Rating	3 meter tested class
Remote Connectivity	Infrared IR port
Series Family	U1240C
Brand Lineage	Agilent / Keysight Notes From Keysight U1240C Series Handheld Digital Multimeters data sheet 5992-2704 model column for U1241C.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	U1241C
Display Resolution	10000 counts
DC Voltage Range	100 mV to 1000 V
DC Voltage Accuracy	0.09 percent + 2 counts
AC Voltage Range	100 mV to 1000 V
AC Voltage Accuracy	1.0 percent + 3 counts
AC Bandwidth	2 kHz
DC Current Range	1000 uA to 10 A
DC Current Accuracy	0.1 percent + 2 counts
AC Current Range	1000 uA to 10 A
AC Current Accuracy	1 percent + 3 counts
Resistance Range	1000 ohm to 100 Mohm
Resistance Accuracy	0.2 percent + 2 counts
Frequency Range	100 Hz to 10 MHz
Frequency Accuracy	0.02 percent + 1 count
Capacitance Range	1000 nF to 10 mF
Capacitance Accuracy	1 percent + 5 counts
Temperature RangeKType	minus 200 C to 1372 C
Safety Category	CAT III 1000 V / CAT IV 600 V
Ingress Protection	IP67
Battery Life Typical	400 hours
Battery Type	4 x 1.5 V AAA
Operating Temperature	minus 20 C to 55 C
Drop Rating	3 meter tested class
Remote Connectivity	Infrared IR port
Series Family	U1240C

PARAMETER	VALUE
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Brand Lineage	Agilent / Keysight
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Notes

From Keysight U1240C Series Handheld Digital Multimeters data sheet 5992-2704 model column for U1241C.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.