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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) U1241A Handheld Digital Multimeter, True RMS AC, 4 Digit, 10K Count

Keysight / Agilent U1241A Handheld Digital Multimeter The U1241A is an Agilent/Keysight U1240A-series handheld true-RMS DMM with a 10,000-count display and 0.09% basic DCV accuracy. CAT III 1000 V rated with overmold casing for industrial maintenance. The U1241A is an Agilent/Keysight U1240A-series handheld true-RMS DMM with a 10,000-count display and 0.09% basic DCV accuracy. CAT III 1000 V rated with overmold casing for industrial maintenance.



MODEL

**Keysight / Agilent
U1241A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U1241A

LISTING

<https://aumictechlabs.com/products/u1241a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U1241A is a 4-digit handheld digital multimeter engineered for field and bench electrical testing. It delivers True RMS AC measurements with 0.09% basic DC voltage accuracy across a 10,000-count display, capturing precise readings on both sinusoidal and non-sinusoidal waveforms. The instrument measures DC voltage to 1.0 kV, AC voltage to 1000 V, and both AC and DC current to 10 A, with additional capability for resistance, continuity, diode performance, frequency, capacitance, and switch counting.

Technical Specifications
Display: 4-digit, 10,000 count
Basic DC Voltage Accuracy: 0.09%
DC Voltage Range: Up to 1.0 kV
AC Voltage Range: Up to 1000 V
AC Max (True RMS) AC Current Range: Up to 10 A
Max DC Current Range: Up to 10 A

Max Measurement Functions: DCV, ACV (True RMS), DCI, ACI, Resistance, Continuity, Diode Test, Frequency, Capacitance, Switch Counter Overvoltage Protection: CAT III 1000 V / CAT IV 600 V
Key Features True RMS AC measurement for accurate performance with non-sinusoidal waveforms Adjustable backlighting for operation in variable lighting conditions Min/Max recording and Min/Max/Average recording functions Built-in probe holder for ergonomic field use Overmold body casing for durability in harsh environments
Safety and Compliance The U1241A meets CE, CSA, IEC 61010-1:2001, UL 61010-1:2004, CSA C22.2 No. 61010-1:2004, IEC 61326-1:2005, ICES-001:2004, and AS/NZS CISPR11:2004 standards.
Compatibility & Integration Note: The U1241A is obsolete as of March 1st, 2017. The U1241B is the direct replacement model.

Features & description

From manufacturer datasheet

Features

• Display: 10,000-count (max reading 11,000); dual display for temperature • Basic DCV accuracy: 0.09% • True RMS AC measurements • DCV/ACV: 0.1 mV to 1000 V • DCV accuracy: 1000.0 mV 0.09%+5; 10/100 V 0.09%+2; 1000 V 0.15%+5 • DCI: 1000.0 μ A to 10.000 A (440 mA continuous; 10 A continuous @ ≤ 50 °C) • DCI accuracy class: 0.1%+3 (μ A) to 0.6%+5 (10 A) • Resistance: 0.1 Ω to 100 M Ω ; 1000 Ω / 10 k Ω after Null: 0.3%+3 • Capacitance: 0.1 nF to 10 mF; 1.2%+4 to 2%+4 by range • Frequency: 0.01 Hz to 200 kHz; accuracy 0.03%+3 • Temperature K-type: -40 to 1000 °C; 1% + 1 °C • ACV true RMS (40–500 Hz): 1%+5; (500 Hz–1 kHz): 2%+5 • Safety: CAT III 1000 V; CE/UL/CSA • Operating temp: -10 to 55 °C • Power: 4×1.5 V AAA; ~0.22 VA; size 193.8×92.2×58.0 mm; weight 450 g with batteries • CMRR: >90 dB; NMRR: >60 dB at 50/60 Hz

Applications

• Field electrical maintenance and troubleshooting • True-RMS AC voltage/current measurements • Capacitance, temperature (K-type), frequency, MINMAX recording

U1241A Characteristics / Specifications

PARAMETER	VALUE
Model	U1241A
Manufacturer	Keysight / Agilent
Instrument Type	Handheld Digital Multimeter
Alias	U1241A; Agilent U1241A; Keysight U1241A
Display counts	10000
Basic DCV accuracy	0.09%
DCV range	0.1 mV to 1000 V
Max current	10 A
Resistance max	100 M Ω
Capacitance max	10 mF
Frequency max	200 kHz
Safety	CAT III 1000 V; CE/UL/CSA
Weight	450 g Notes Specs from Agilent U1241A/U1242A Handheld Digital Multimeter data sheet. U1242A-only features (switch counter, harmonic ratio, dual temp) are not claimed for U1241A.
Display	10,000-count (max reading 11,000); dual display for temperature
DCV/ACV	0.1 mV to 1000 V
DCV accuracy	1000.0 mV 0.09%+5; 10/100 V 0.09%+2; 1000 V 0.15%+5
DCI	1000.0 μ A to 10.000 A (440 mA continuous; 10 A continuous @ ≤ 50 °C)
DCI accuracy class	0.1%+3 (μ A) to 0.6%+5 (10 A)
Resistance	0.1 Ω to 100 M Ω ; 1000 Ω / 10 k Ω after Null: 0.3%+3
Capacitance	0.1 nF to 10 mF; 1.2%+4 to 2%+4 by range
Frequency	0.01 Hz to 200 kHz; accuracy 0.03%+3
Temperature K-type	-40 to 1000 °C; 1% + 1 °C
ACV true RMS (40–500 Hz)	1%+5; (500 Hz–1 kHz): 2%+5
Operating temp	-10 to 55 °C

PARAMETER	VALUE
Power	4×1.5 V AAA; ~0.22 VA; size 193.8×92.2×58.0 mm; weight 450 g with batteries
CMRR	>90 dB; NMRR: >60 dB at 50/60 Hz

U1241A Specifications

PARAMETER	VALUE
Keysight / Agilent U1241A Handheld Digital Multimeter	Overview
Key Features	- Display: 10,000-count (max reading 11,000); dual display for temperature
Technical Specifications	Model: U1241A

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	U1241A
Manufacturer	Keysight / Agilent
Instrument Type	Handheld Digital Multimeter
Alias	U1241A; Agilent U1241A; Keysight U1241A

Specifications

PARAMETER	VALUE
Display counts	10000
Basic DCV accuracy	0.09%
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Safety	CAT III 1000 V
Weight	450 g

Notes

Specs from Agilent U1241A/U1242A Handheld Digital Multimeter data sheet. U1242A-only features (switch counter, harmonic ratio, dual temp) are not claimed for U1241A.

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.