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**Data Sheet**

August 14, 2026

AGILENT / KEYSIGHT

# Agilent/Keysight U1232A Handheld Digital Multimeter

Agilent Keysight U1232A Handheld Digital Multimeter The Agilent/Keysight U1232A is a 6000-count U1230 Series handheld DMM with 0.5 percent basic DCV accuracy, built-in LED flashlight, Zlow mode, and CAT III 600 V protection. OEM comparison tables list voltage to 600 V, resistance to 60 MOhm, capacitance to 10 mF, frequency to 99.99 kHz, IP42 sealing, and about 500 hours battery life. Residential and light industrial electrical troubleshooting, non-contact checks where Vsense is equipped, and dim-environment work with the integrated flashlight. The Agilent/Keysight U1232A is a 6000-count U1230 Series handheld DMM with 0.5 percent basic DCV accuracy, built-in LED flashlight, Zlow mode, and CAT III 600 V protection. OEM comparison tables list voltage to 600 V, resistance to 60 MOhm, capacitance to 10 mF, frequency to 99.99 kHz, IP42 sealing, and about 500 hours battery life. Residential and light industrial electrical troubleshooting, non-contact checks where Vsense is equipped, and dim-environment work with the integrated flashlight. Basic DCV Accuracy: 0.5 percent plus 2 counts



MODEL

**Agilent / Keysight  
U1232A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**U1232A**

LISTING

<https://aumictechlabs.com/products/u1232a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

**This unit**

The Keysight U1232A is a handheld digital multimeter designed for solid electrical and electronic troubleshooting, offering a 6000-count display with True RMS measurement capabilities. This instrument is built to withstand challenging environments, featuring a durable design and a built-in LED flashlight for illumination in dimly lit areas. Its ergonomic form factor allows for single-handed operation, with an easily accessible rotary dial for function selection.

### Technical Specifications

**\*\*General Display and Performance\*\***

- \*\*Display Count:\*\*** 6000 counts
- \*\*Display Type:\*\*** LCD
- \*\*AC/DC Voltage Accuracy (Basic DC):\*\***  $\pm 0.5\% + 2 \text{ counts}$
- \*\*AC/DC Current Accuracy (Basic DC):\*\***  $\pm 1.0\% + 2 \text{ counts}$
- \*\*True RMS:\*\*** Yes
- \*\*Range Selection:\*\*** Auto and Manual
- \*\*Data Logging:\*\*** Capable of storing up to 10 readings
- \*\*Battery Life:\*\*** Approximately 500 hours
- \*\*Battery Type:\*\*** 4 × 1.5 V AAA alkaline batteries

**\*\*Measurement Functions\*\***

- \*\*DC Voltage:\*\*** Up to 600V
- \*\*AC Voltage:\*\*** Up to 600V
- \*\*DC Current:\*\*** Up to 10A (60  $\mu$ A to 10 A range)
- \*\*AC Current:\*\*** Up to 10A (60  $\mu$ A to 10 A range)
- \*\*Resistance:\*\*** Up to 60 M $\Omega$
- \*\*Capacitance:\*\*** Yes
- \*\*Frequency:\*\*** Up to 99.99 kHz (Also noted as up to 1 kHz in another source)
- \*\*Continuity:\*\*** Audible beep and flashing backlight alert
- \* Continuity Beeper:** Continuous beep when resistance < 10  $\Omega$
- \*\*Diode Test:\*\*** Yes
- \*\*Low Impedance Mode (ZLOW):\*\*** Eliminates ghost voltages and improves measurement accuracy
- \*\*Temperature Measurement:\*\*** Auxiliary temperature measurement using K-type thermocouple (Optional U1586B temperature module required)

**\*\*Advanced Features\*\***

- \*\*Built-in LED Flashlight:\*\*** Illuminates the test area
- \*\*Visual Alert:\*\*** Flashing backlight for continuity tests in noisy or dimly lit environments
- \*\*Vsense (Non-contact AC Voltage Detection):\*\*** Available on U1233A model only
- \*\*Min/Max Recording:\*\*** Yes
- \*\*Display Hold:\*\*** Yes
- \*\*Auto-Hold:\*\*** Yes
- \*\*Null/Delta Function:\*\*** Yes
- \*\*PC Connectivity:\*\*** IR-to-USB for data transfer to PC
- \*\*Optional Bluetooth Connectivity:\*\*** Via U1117A IR-to-Bluetooth adapter for wireless connection
- \*\*Smoothing Feature:\*\*** Available for reducing noisy readings

**\*\*Interfaces\*\***

- \*\*Connectivity:\*\*** USB, Bluetooth (optional)
- \*\*IR Communication Port:\*\*** For PC data transfer
- \*\*Micro USB External Power Port:\*\***
- \*\*Physical and Environmental\*\***
- \*\*Overvoltage Protection Rating:\*\*** CAT III 600V
- \*\*IP Rating:\*\*** IP42 (N/A mentioned in one source)
- \*\*Operating Temperature Range:\*\*** -10 °C to 55 °C
- \*\*Dimensions:\*\*** 169 mm x 86 mm x 52 mm (H x W x D) (Note: other dimensions listed as 241 × 138 × 66 mm and 101.6 mm x 55 mm x 86 mm - these may refer to packaging or different measurement conventions)
- \*\*Weight:\*\*** 365 g (Note: 1.5 kg listed in another source which may include accessories or packaging)

**\*\*Included Accessories\*\***

- Test Lead Set
- 4 × 1.5 V Batteries
- Quick Start Guide
- Certificate of Calibration

Why Choose Aumictech for Keysight U1232A? At Aumictech, we specialize in supplying high-end electrical testing equipment. Whether you need reliable electrical and electronic troubleshooting tools, instruments with advanced data logging capabilities, or rugged devices for field use, our team ensures the Keysight U1232A delivers maximum performance for your application.

# U1232A Characteristics / Specifications

| PARAMETER                            | VALUE                     |
|--------------------------------------|---------------------------|
| Display Counts                       | 6000                      |
| Basic DCV Accuracy                   | 0.5 percent plus 2 counts |
| DC Voltage Ranges                    | 600 mV to 600 V           |
| AC Voltage Ranges                    | 600 mV to 600 V           |
| Current Measurement                  | 60 uA to 10 A             |
| Resistance Ranges                    | 600 ohm to 60 MOhm        |
| Frequency Ranges                     | 99.99 Hz to 99.99 kHz     |
| Capacitance Ranges                   | 1000 nF to 10 mF          |
| Temperature Measurement              | No temperature            |
| Vsense Non Contact Voltage           | No                        |
| Zlow Mode                            | Yes                       |
| Safety Category                      | CAT III 600 V             |
| Ingress Protection                   | IP42                      |
| Battery Life Typical                 | 500 hours                 |
| Battery Type                         | 4 × 1.5 V AAA class       |
| Operating Temperature                | minus 10 C to 55 C        |
| Operating Altitude Maximum           | 2000 m                    |
| Display Maximum Reading              | 6600 counts               |
| Flashlight Color Temperature Typical | 5500 K                    |
| Connectivity Options                 | IR USB / Bluetooth        |
| Internal Logging                     | 10 readings               |
| Continuity And Diode                 | Yes                       |
| Auto Manual Ranging                  | Yes                       |

# U1232A Specifications

| PARAMETER                                           | VALUE                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Agilent Keysight U1232A Handheld Digital Multimeter | Overview                                                                                        |
| Built in cool white LED flashlight                  | Zlow low impedance mode                                                                         |
| Optional IR USB or Bluetooth                        | 6000 count autoranging display                                                                  |
| Technical Specifications                            | Display Counts: 6000                                                                            |
| Notes                                               | From Keysight U1230 Series Handheld Digital Multimeters data sheet comparison table for U1232A. |

# General Specifications & Supplementary Characteristics

| PARAMETER                            | VALUE                                                                                                     |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Operating temperature                | minus 10 C to 55 C                                                                                        |
| Operating Temperature                | minus 10 C to 55 C                                                                                        |
| Operating Altitude Maximum           | 2000 m                                                                                                    |
| Display Maximum Reading              | 6600 counts                                                                                               |
| Flashlight Color Temperature Typical | 5500 K                                                                                                    |
| Connectivity Options                 | IR USB / Bluetooth                                                                                        |
| Internal Logging                     | 10 readings                                                                                               |
| Continuity And Diode                 | Yes                                                                                                       |
| Auto Manual Ranging                  | Yes Notes From Keysight U1230 Series Handheld Digital Multimeters data sheet comparison table for U1232A. |

# 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                     |
| Display Counts                                                                                  | 6000                      |
| Basic DCV Accuracy                                                                              | 0.5 percent plus 2 counts |
| DC Voltage Ranges                                                                               | 600 mV to 600 V           |
| AC Voltage Ranges                                                                               | 600 mV to 600 V           |
| Current Measurement                                                                             | 60 uA to 10 A             |
| Resistance Ranges                                                                               | 600 ohm to 60 MOhm        |
| Frequency Ranges                                                                                | 99.99 Hz to 99.99 kHz     |
| Capacitance Ranges                                                                              | 1000 nF to 10 mF          |
| Temperature Measurement                                                                         | No temperature            |
| Vsense Non Contact Voltage                                                                      | No                        |
| Zlow Mode                                                                                       | Yes                       |
| Safety Category                                                                                 | CAT III 600 V             |
| Ingress Protection                                                                              | IP42                      |
| Battery Life Typical                                                                            | 500 hours                 |
| Battery Type                                                                                    | 4 x 1.5 V AAA class       |
| Operating Temperature                                                                           | minus 10 C to 55 C        |
| Operating Altitude Maximum                                                                      | 2000 m                    |
| Display Maximum Reading                                                                         | 6600 counts               |
| Flashlight Color Temperature Typical                                                            | 5500 K                    |
| Connectivity Options                                                                            | IR USB / Bluetooth        |
| Internal Logging                                                                                | 10 readings               |
| Continuity And Diode                                                                            | Yes                       |
| Auto Manual Ranging                                                                             | Yes                       |
| Notes                                                                                           |                           |
| From Keysight U1230 Series Handheld Digital Multimeters data sheet comparison table for U1232A. |                           |

### Available from Aumictech

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

Request a quote: [sales@aumictech.com](mailto: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.