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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) U3402A Digital Multimeter, 5½ Digit Dual Display

Keysight (Agilent) U3402A Digital Multimeter, 5½ Digit Dual Display The Keysight/Agilent U3402A is a 5½-digit (120,000-count) dual-display bench digital multimeter with basic DC voltage accuracy of 0.012%. Vacuum fluorescent dual display shows two parameters simultaneously. True RMS AC and AC+DC; 11 measurement functions including DCV/ACV, DCI/ACI, 2-/4-wire resistance, frequency, continuity, and diode. Math: dBm, Relative, Min/Max, Compare, Hold. Bench electronics measurement; production incoming inspection; education and general-purpose DMM work. The Keysight/Agilent U3402A is a 5½-digit (120,000-count) dual-display bench digital multimeter with basic DC voltage accuracy of 0.012%. Vacuum fluorescent dual display shows two parameters simultaneously. True RMS AC and AC+DC; 11 measurement functions including DCV/ACV, DCI/ACI, 2-/4-wire resistance, frequency, continuity, and diode. Math: dBm, Relative, Min/Max, Compare, Hold. Bench electronics measurement; production incoming inspection; education and general-purpose DMM work.



MODEL

**Keysight / Agilent
U3402A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U3402A

LISTING

<https://aumictechlabs.com/products/u3402a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U3402A is a 5½ digit dual-display digital multimeter engineered for fundamental DC, AC, and AC+DC voltage and current measurements up to 750 V and 12 A respectively. This benchtop instrument delivers 120,000-count resolution with basic DC voltage accuracy to 0.012%, supporting both 2-wire and 4-wire resistance measurement to 300 Ω. Beyond standard functions, it integrates frequency analysis, continuity testing, and diode characterization with selectable measurement speeds (Slow, Medium, Fast) to balance resolution against acquisition rate. The bright VFD dual display enables simultaneous parameter viewing, streamlining troubleshooting workflows. On-board math functions include dBm, Relative (REL), Min/Max logging, Compare, Hold, and Percentage calculations. A Kensington lock slot provides physical security for laboratory and field environments. RS232 connectivity is available for calibration purposes. The multimeter ships with a test lead set and is specified for indoor operation in low-condensation areas.

Technical Specifications

DC Voltage Measurement: Up to 750 V AC Voltage Measurement: Up to 750 V DC Current Measurement: Up to 12 A AC Current Measurement: Up to 12 A Resistance Measurement: Up to 300 Ω (2-wire and 4-wire) Resolution: 120,000 counts Basic DC Voltage Accuracy: 0.012% Frequency Measurement: Yes Input Impedance: <100 pF capacitance in parallel (VDC 1000 V range)

Key Features

Dual bright VFD display for concurrent two-parameter viewing Three selectable measurement speeds: Slow, Medium, Fast Math functions: dBm, Relative (REL), Min/Max, Compare, Hold, Percentage Continuity and diode test modes Kensington lock slot for security RS232 interface for calibration Included test lead set

Typical Applications

General-purpose electrical testing in laboratories and field service Voltage and current verification in circuit design and troubleshooting Resistance and continuity diagnostics Frequency analysis in signal verification

Compatibility & Integration

RS232 connectivity supports calibration workflows. Test leads are supplied.

Features & description

From manufacturer datasheet

Features

- 5½ digit / 120,000 counts • Basic DCV accuracy: 0.012% • Dual VFD display • True RMS AC, AC+DC
- Functions: DCV, ACV, DCI, ACI, 2W/4W Ω , frequency, continuity, diode • Math: dBm, Rel, Min/Max, Compare, Hold • Slow / medium / fast measurement rates • Safety: EN61010-1 CAT II 300 V class (published)

U3402A Characteristics / Specifications

PARAMETER	VALUE
Model	U3402A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Bench Digital Multimeter
Alias	U3402A; Agilent U3402A Measurement
Resolution	5½ digit, 120,000 counts
DC Voltage	up to 1000 V; resolution to 1 µV
AC Voltage	up to 1000 V; True RMS
DC Current	up to 12 A; resolution to 0.1 µA
AC Current	up to 12 A
Resistance	up to 300 MΩ; resolution to 1 mΩ (2- and 4-wire)
Frequency	to 100 kHz class (published)
Basic DCV accuracy	±0.012% + 2 digits (published) Physical Approx. 105 × 255 × 305 mm; ~3.4 kg Operational Notes Prefer Keysight/Agilent U3401A/U3402A user/datasheet literature for full range accuracy tables.
Functions	DCV, ACV, DCI, ACI, 2W/4W Ω, frequency, continuity, diode
Math	dBm, Rel, Min/Max, Compare, Hold
Safety	EN61010-1 CAT II 300 V class (published)

U3402A Specifications

PARAMETER	VALUE
Applications	Bench electronics measurement; production incoming inspection; education and general-purpose DMM work.
Key Features	- 5½ digit / 120,000 counts
Technical Specifications	Model: U3402A
Measurement	Resolution: 5½ digit, 120,000 counts
Physical	Approx. 105 × 255 × 305 mm; ~3.4 kg
Operational Notes	Prefer Keysight/Agilent U3401A/U3402A user/datasheet literature for full range accuracy tables.

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	U3402A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Bench Digital Multimeter
Alias	U3402A; Agilent U3402A

Measurement

Specifications

PARAMETER	VALUE
Resolution	5½ digit, 120,000 counts
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Resistance	up to 300 MΩ; resolution to 1 mΩ (2- and 4-wire)
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Physical

Approx. 105 × 255 × 305 mm; ~3.4 kg

Operational Notes

Prefer Keysight/Agilent U3401A/U3402A user/datasheet literature for full range accuracy tables.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.