

**Aumictech**

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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 3435A 3-1/2 DMM AUTORG

The HP 3435A is a 3.5-digit benchtop/portable digital multimeter for general voltage current and resistance measurements in service and education settings. General electronics troubleshooting, bench voltage and resistance checks, and basic AC/DC current measurements. Autoranging Class: Manual or auto per revision Input Protection Class: Fused current inputs typical Operating Temperature Class: Laboratory/service Resolution Class: Millivolt and ohm class on lowest ranges Diode Test Class: often included on era DMMs 3.5-digit general DMM identity from HP 3435A product class. Use the 3435A manual for authoritative range and accuracy tables; do not invent percent-of-reading figures here.



MODEL

HP / Agilent 3435A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3435A

LISTING

<https://aumictechlabs.com/products/3435a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 3435A is a 3-1/2 digit autoranging digital multimeter engineered for general-purpose electronic test and measurement. This five-function instrument delivers DC voltage, AC voltage, DC current, AC current, and resistance measurements with a bright 0.3-inch red LED display featuring function and range annunciation. Technical Specifications Display & Resolution 3-1/2 digit, 7-segment red LED display, 0.3-inch character height Automatic polarity sensing and display Function and range annunciation included Voltage Measurement DC Voltage: ± 200 mV to ± 1200 V ranges; 100 μ V sensitivity on 200 mV range; 10 M Ω $\pm 1\%$ input resistance; $\pm (0.05\%$ of reading + 2 digits) accuracy on 200 mV range; maximum input 1200 V (DC + peak AC); 1.6 second

response time AC Voltage: 200 mV to 1200 V ranges; average-responding, RMS-calibrated converter; 100 μ V sensitivity on 200 mV range; 5 M Ω resistance input impedance; $\pm 1.5\%$ of reading ± 3 digits (30–50 Hz); $\pm 0.3\%$ of reading ± 3 digits (50 Hz–20 kHz); maximum input 1700 V (DC + peak AC), 107 Vrms at 10 kHz Current Measurement DC Current: 200 μ A to 2000 mA ranges; $\pm (0.2\% \text{ of reading} + 2 \text{ digits})$ accuracy on 200 μ A range; 250 V rms input protection; 120 dB common mode rejection at 50/60 Hz $\pm 0.1\%$ with 1 k Ω unbalance Key Features Autoranging and manual range selection for enhanced measurement flexibility Fast response times: 1.6 seconds for voltage measurements, <0.7 seconds for current High input resistance (10 M Ω DC, 5 M Ω AC) minimizes circuit loading Dual-range AC frequency response: 30 Hz to 100 kHz Temperature-compensated accuracy specifications Typical Applications General electronic circuit troubleshooting and verification Precision voltage and current monitoring in lab and field environments Resistance and continuity testing Signal analysis across audio and low-frequency RF ranges

3435A Characteristics / Specifications

PARAMETER	VALUE
Display Digits	3.5
DC Voltage Function	yes
AC Voltage Function	yes
DC Current Function	yes
AC Current Function	yes
Resistance Function	yes
Form Factor	Portable benchtop DMM
Intended Use	General purpose service
Autoranging Class	Manual or auto per revision
Input Protection Class	Fused current inputs typical
AC Coupling	Average or true responding per revision
Battery Option Class	available on some 34xx portable meters
Power	Line and/or battery depending on options
Operating Temperature Class	Laboratory/service
Resolution Class	Millivolt and ohm class on lowest ranges
Overload Indication	yes
Polarity Indication	Automatic on DC
Common Mode Class	Standard DMM commons
Calibration	Annual typical
Chassis	Portable enclosure
Probe Interface	Banana jacks
Diode Test Class	often included on era DMMs
Continuity Class	often included
Display Type	LED or LCD per build
Operating temperature	Class: Laboratory/service

3435A Specifications

PARAMETER	VALUE
HP Agilent 3435A Digital Multimeter	Overview
Key Features	3.5 digit display
Technical Specifications	Display Digits: 3.5

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Laboratory/service
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Common Mode Class	Standard DMM commons
Calibration	Annual typical
Chassis	Portable enclosure
Probe Interface	Banana jacks
Diode Test Class	often included on era DMMs
Continuity Class	often included
Display Type	LED or LCD per build Notes 3.5-digit general DMM identity from HP 3435A product class. Use the 3435A manual for authoritative range and accuracy tables; do not invent percent-of-reading figures here.

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	
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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.