

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 8, 2026

AGILENT

HP / Agilent 4339A High Resistance Meter

The HP / Agilent 4339A is a single-channel DC high-resistance and low-current meter for insulation resistance, leakage current, and surface/volume resistivity measurements. Built-in programmable test voltage spans 0 to 1000 VDC. Measurement range covers approximately $1 \times 10^3 \Omega$ to $1.6 \times 10^{16} \Omega$ with current compliance settings and charge-measure-discharge test sequence programming. Predecessor to the 4339B family with similar core capability. Insulation resistance of capacitors and components; surface and volume resistivity of materials; low-current leakage measurements; grounded DUT testing; automated HP-IB production test with resistivity cells and component fixtures. Manufacturer: Hewlett-Packard / Agilent / Keysight Electrical R to $1.6 \times 10^{16} \Omega$; 0–1000 VDC built-in source. Prefer HP 4339A user manual. Distinct from multi-channel 4349B (external source) and later 4339B. Observe HV safety practices.

No photo

MODEL

Agilent 4339A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

4339A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- Parameters: R (dc), I (dc), rs (surface resistivity), rv (volume resistivity)
- R range: $\approx 1 \times 10^3 \Omega$ to $1.6 \times 10^{16} \Omega$
- Test voltage: 0–1000 VDC; 100 mV steps (0–200 V); 1 V steps (200–1000 V)
- Max current: 10 mA @ ≤ 100 V; 5 mA @ ≤ 250 V; 2 mA @ ≤ 500 V; 1 mA @ ≤ 1 kV
- Compliance settings: 0.5 / 1 / 2 / 5 / 10 mA
- Measurement time: short / medium / long; high-speed ≈ 10 ms class
- Averaging: 1–256; delay 0–9999 ms; cable ≤ 2 m
- Trigger: internal, external, manual, HP-IB
- Math: deviation and % deviation; auto/manual ranging
- Test sequence programming (charge–measure–discharge)
- Grounded DUT measurement; GPIB control
- Fixtures: resistivity cell, component test fixture

4339A Characteristics / Specifications

PARAMETER	VALUE
Model	4339A
Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	High Resistance Meter
Family	HP 4339 High-Resistance Meters
Alias	HP 4339A; Agilent 4339A ElectricalRto $1.6 \times 10^{16} \Omega$; 0–1000 VDC built-in source Operational Notes Prefer HP 4339A user manual. Distinct from multi-channel 4349B (external source) and later 4339B. Observe HV safety practices.
Parameters	R (dc), I (dc), rs (surface resistivity), rv (volume resistivity)
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Fixtures	resistivity cell, component test fixture

4339A Specifications

PARAMETER	VALUE
HP / Agilent 4339A High Resistance Meter	Overview
Technical Specifications	Model: 4339A
Electrical	R to 1.6×10 ¹⁶ Ω; 0–1000 VDC built-in source
Operational Notes	Prefer HP 4339A user manual. Distinct from multi-channel 4349B (external source) and later 4339B. Observe HV safety practices.

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	4339A
Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	High Resistance Meter
Family	HP 4339 High-Resistance Meters
Alias	HP 4339A; Agilent 4339A

ElectricalRto 1.6×10¹⁶ Ω; 0–1000 VDC built-in source

Operational Notes

Prefer HP 4339A user manual. Distinct from multi-channel 4349B (external source) and later 4339B. Observe HV safety practices.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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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.