

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 6, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) 16339A Component Test Fixture

Keysight (Agilent) 16339A Component Test Fixture The Keysight/Agilent 16339A is a shielded component test fixture designed for the 4339A High Resistance Meter. Measures chip, leaded, and other component insulation resistance under high voltage. Interlock circuit for HV safety; component socket for chip and lead parts. High-resistance / insulation resistance of components with 4339A; HV component screening. The Keysight/Agilent 16339A is a shielded component test fixture designed for the 4339A High Resistance Meter. Measures chip, leaded, and other component insulation resistance under high voltage. Interlock circuit for HV safety; component socket for chip and lead parts. High-resistance / insulation resistance of components with 4339A; HV component screening.



MODEL

**Keysight / Agilent
16339A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

16339A

LISTING

<https://aumictechlabs.com/products/16339a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 16339A Component Test Fixture is a specialized accessory for high-resistance impedance measurements of surface mount devices and discrete components. It connects directly to the Keysight 4339A and 4339B High Resistance Meters, delivering stable, accurate measurements across an exceptionally wide resistance range. The fixture's shielded enclosure suppresses electrical noise, while an integrated interlocking circuit disables source voltage when

the cover opens - critical for safe high-voltage operation.

Technical Specifications

Resistance Measurement Range: $1 \times 10^3 \Omega$ to $2 \times 10^{16} \Omega$ Maximum Voltage: 1000 V Maximum Current: 10 mA Operating Temperature: 0°C to 55°C Input Connector: Triaxial (special screw-type) Output Connector: High Voltage BNC (special type) Dimensions: 200 mm (W) $\times$ 140 mm (H) $\times$ 230 mm (D) Weight: 2200 g Cable Length: 0.8 m

Key Features

- Shielded case minimizes electrical noise for measurement precision
- Built-in interlocking circuit with dedicated control connector for voltage control and personnel safety
- Modular design accommodates SMDs, axial-lead components, and general-purpose devices
- Multiple impedance-matching output resistors (100 k Ω , 1 M Ω , 10 M Ω , 100 M Ω) extend measurement capability
- Flexible connection options: alligator clips, miniature banana-plug cables, and flat test surface
- Maximum DUT lead diameter of 5 mm for clip and flat-table configurations

Typical Applications

- Surface mount device (SMD) characterization and validation
- Axial and radial leaded component testing
- Insulation resistance and high-ohm impedance measurements
- Capacitor and resistor leakage current assessment
- General discrete component qualification

Compatibility & Integration

The 16339A integrates exclusively with Keysight 4339A and 4339B High Resistance Meters via triaxial input and high-voltage BNC output connectors. A comprehensive accessory kit includes SMD and axial-lead modules, flat table, alligator clips, cable assemblies, output resistors, and protective carrying case.

Features & description

From manufacturer datasheet

Features

- Designed for Keysight/Agilent 4339A High Resistance Meter
- Measurement: direct insulation resistance
- Max test voltage: 1000 V
- Max test current: 10 mA
- Shielded case to reduce electrical noise
- Component socket for chip and lead components
- High-voltage safety interlock

16339A Characteristics / Specifications

PARAMETER	VALUE
Model	16339A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Component Test Fixture (High Resistance)
Alias	16339A; Agilent 16339A Electrical 1000 V max; 10 mA max; for use with 4339A Operational Notes Prefer Agilent 16339A / 4339A accessory literature.
Measurement	direct insulation resistance
Max test voltage	1000 V
Max test current	10 mA

16339A Specifications

PARAMETER	VALUE
Keysight (Agilent) 16339A Component Test Fixture	Overview
Applications	High-resistance / insulation resistance of components with 4339A; HV component screening.
Key Features	- Designed for Keysight/Agilent 4339A High Resistance Meter
Technical Specifications	Model: 16339A
Electrical	1000 V max; 10 mA max; for use with 4339A
Operational Notes	Prefer Agilent 16339A / 4339A accessory literature.

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	16339A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Component Test Fixture (High Resistance)
Alias	16339A; Agilent 16339A

Electrical

1000 V max; 10 mA max; for use with 4339A

Operational Notes

Prefer Agilent 16339A / 4339A accessory literature.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 6, 2026

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