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Data Sheet

August 8, 2026

HP / AGILENT

HP / Agilent 16193A Small side electrode SMD test fixture

HP / Agilent 16193A Small side electrode SMD test fixture The HP / Agilent / Keysight 16193A is a small side-electrode SMD test fixture for high-repeatability impedance measurements of surface-mount devices with side electrodes. It supports DUT sizes from 0.5 mm to 3.2 mm from DC to 2 GHz with a maximum DC bias of 40 V. Designed for use with RF impedance analyzers and LCR instruments requiring stable, repeatable SMD contacting. SMD RLC and impedance characterization; high-frequency component evaluation to 2 GHz; production incoming inspection of side-electrode chip components; RF materials and passive device development. The HP / Agilent / Keysight 16193A is a small side-electrode SMD test fixture for high-repeatability impedance measurements of surface-mount devices with side electrodes. It supports DUT sizes from 0.5 mm to 3.2 mm from DC to 2 GHz with a maximum DC bias of 40 V. Designed for use with RF impedance analyzers and LCR instruments requiring stable, repeatable SMD contacting. SMD RLC and impedance characterization; high-frequency component evaluation to 2 GHz; production incoming inspection of side-electrode chip components; RF materials and passive device development.



MODEL

**HP / Agilent
16193A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

16193A

LISTING

<https://aumictechlabs.com/products/16193a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 16193A is a precision test fixture engineered for impedance measurement of surface-mount devices with small side electrodes. It delivers repeatable, accurate connections across SMD sizes from 0.5 mm to 3.2 mm, supporting quality control, component evaluation, and R&D characterization in laboratory and manufacturing environments.

Technical Specifications

DUT Size Range: 0.5 mm to 3.2 mm

Supported SMD Formats: 1005(mm)/0402(inch), 1608(mm)/0603(inch), 2012(mm)/0805(inch), 3216(mm)/1206(inch); Option 010 available for EIA/EIAJ sized devices

Frequency Range: DC to 2 GHz

Maximum DC Bias Voltage: 40 V

Operating Temperature: -55 °C to +85 °C

Operating Humidity: 15 % to 95 % RH (wet bulb <40 °C)

Dimensions: 150 mm (W) × 70 mm (H) × 80 mm (D)

Weight: 500 g

Key Features

- Direct connection to 4191A, 4291B, and E4991A impedance analyzers
- Wide frequency coverage from DC through 2 GHz enables characterization across multiple measurement regimes
- Temperature-stable operation across -55 °C to +85 °C supports both benchtop and chamber-based testing
- Compact form factor minimizes test station footprint

Typical Applications

- SMD impedance and capacitance measurement
- In-process quality verification of passives and RF components
- Material characterization and dielectric loss evaluation
- Component reliability and aging studies

Compatibility & Integration

Direct connection: 4191A, 4291B, E4991A

With adapters and options: 4395A, 4396A/B (via 43961A with Option 010) 4195A (via 41951A) 4294A (via 42942A RF adapter) 4284A1 (via 16085B RF adapter) 4194A (via 16099A RF adapter with 41941A)

Features & description

From manufacturer datasheet

Features

- Applicable DUT size: 0.5 mm to 3.2 mm
- Frequency range: DC to 2 GHz
- Maximum DC bias: 40 V
- Contact style: small side electrode for SMD
- Dimensions: 150 (W) × 70 (H) × 80 (D) mm
- Weight: ≈500 g
- Operating temperature: −55 to +85 °C class (confirm manual)
- Operating humidity: 15–95% RH class
- High repeatability contacting for side-electrode SMDs
- Compatible with Keysight/Agilent RF impedance / network measurement systems

16193A Characteristics / Specifications

PARAMETER	VALUE
Model	16193A
Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	SMD Test Fixture (Side Electrode)
Family	Keysight Impedance Accessories
Alias	HP 16193A; Agilent 16193A; Small side electrode SMD test fixture Electrical / Mechanical DC–2 GHz; DUT 0.5–3.2 mm; 40 V max bias Operational Notes Prefer Keysight/Agilent 16193A user guide. Confirm analyzer interface and OPEN/SHORT/LOAD compensation procedure for the fixture. Distinct from 16191A/16192A bottom-electrode fixtures.
Applicable DUT size	0.5 mm to 3.2 mm
Frequency range	DC to 2 GHz
Maximum DC bias	40 V
Contact style	small side electrode for SMD
Dimensions	150 (W) × 70 (H) × 80 (D) mm
Weight	≈500 g
Operating temperature	–55 to +85 °C class (confirm manual)
Operating humidity	15–95% RH class
Humidity	15–95% RH class - High repeatability contacting for side-electrode SMDs - Compatible with Keysight/Agilent RF impedance / network measurement systems

16193A Specifications

PARAMETER	VALUE
Key Features	- Applicable DUT size: 0.5 mm to 3.2 mm
Technical Specifications	Model: 16193A
Electrical / Mechanical	DC–2 GHz; DUT 0.5–3.2 mm; 40 V max bias

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	–55 to +85 °C class (confirm manual) - Operating humidity: 15–95% RH class - High repeatability contacting for side-electrode SMDs - Compatible with Keysight/Agilent RF impedance / network measurement
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Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	SMD Test Fixture (Side Electrode)
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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	16193A
Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	SMD Test Fixture (Side Electrode)
Family	Keysight Impedance Accessories
Alias	HP 16193A; Agilent 16193A; Small side electrode SMD test fixture

Electrical / Mechanical

DC-2 GHz; DUT 0.5-3.2 mm; 40 V max bias

Operational Notes

Prefer Keysight/Agilent 16193A user guide. Confirm analyzer interface and OPEN/SHORT/LOAD compensation procedure for the fixture. Distinct from 16191A/16192A bottom-electrode fixtures.

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.