

**Aumictech**

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Data Sheet

August 13, 2026

HP / AGILENT

HP / Agilent 16194A High Temperature Component Test Fixture

Bias capability: DC bias within +/-40 V limit Temperature extremes: cryogenic-to-hot oven compatible class Manual part class: 16194-90030 operation and service Specs from Agilent/Keysight 16194A product pages and operation/service literature. Confirm mating cables/test head and oven interface on the installation. Temperature extremes: cryogenic-to-hot oven compatible class Manual part class: 16194-90030 operation and service Specs from Agilent/Keysight 16194A product pages and operation/service literature. Confirm mating cables/test head and oven interface on the installation.



MODEL

**HP / Agilent
16194A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

16194A

LISTING

<https://aumictechlabs.com/products/16194a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 16194A is a high-temperature component test fixture for precision impedance parameter measurements of electronic components under elevated thermal conditions. It accommodates axial and radial leaded devices as well as surface mount components, providing controlled testing environments across a broad temperature range. The fixture enables accurate characterization of inductance, capacitance, resistance, impedance, admittance, quality factor, and dissipation factor - essential for material research, component R&D, and quality assurance workflows. Technical Specifications Temperature Operating Range: -55°C to +200°C (-55°C to

+150°C with E4991B-007 Temperature Characteristic Test Kit) Frequency Range: DC to 500 MHz (with open and short compensation); DC to 2 GHz (with open, short, and load compensation) DC Bias Voltage: ± 40 V maximum; ± 42 V peak (AC+DC combined) Component Support: Axial and radial leaded devices; surface mount devices including 1005/0402, 1608/0603, 2012/0805, and 3216/1206 formats with Option 010 DUT Connection: 2-terminal configuration Connector Type: 7 mm or APC-7® Operating Humidity: 15% to 95% RH (wet bulb <40°C) Non-operating Humidity: Up to 90% RH (wet bulb <65°C) Key Features Error compensation modes: OPEN, SHORT, and LOAD (using 50 Ω chip resistor reference) Precision coaxial connectors for signal integrity Thermal stability through high-durability construction Supports multiple SMD package sizes via Option 010 Compatibility & Integration The 16194A interfaces with Keysight/Agilent/HP impedance analyzers and LCR meters including the E4982A, E4990A, E4991B, and E5061B series (with applicable options). Compatible with high-temperature test kits for extended thermal characterization.

Features & description

From manufacturer datasheet

Features

- Temperature range -55 C to +200 C operating

Applications

- Temperature-characterized impedance of leaded and SMD parts

16194A Characteristics / Specifications

PARAMETER	VALUE
Model	16194A
Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	High Temperature Component Test Fixture
Alias	HP 16194A; Agilent 16194A; Keysight 16194A
Operating temperature	-55 C to +200 C
Operating humidity	15% to 95% RH at wet bulb less than 40 C
Maximum DC bias voltage	+/-40 V
Terminal connector	7 mm
DUT connection	2 terminal
Electrical length	50 mm
Supported DUT styles	axial radial leaded and SMD
Recommended analyzer class	4291A/B high-temperature test head
Primary use	temperature-dependent component impedance
Form	high-temperature fixture accessory
Bias capability	DC bias within +/-40 V limit
Fixture type	RF component test fixture
Temperature extremes	cryogenic-to-hot oven compatible class
Manual part class	16194-90030 operation and service Notes Specs from Agilent/Keysight 16194A product pages and operation/service literature. Confirm mating cables/test head and oven interface on the installation.
Non-operating Temperature	55 C to +200 C
Humidity	15% to 95% RH at wet bulb less than 40 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	55 C to +200 C
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Non-operating Temperature	55 C to +200 C
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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	16194A
Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	High Temperature Component Test Fixture

Alias: HP 16194A; Agilent 16194A; Keysight 16194A

Operating temperature: -55 C to +200 C

Non-operating temperature: -55 C to +200 C

Operating humidity: 15% to 95% RH at wet bulb less than 40 C

Non-operating humidity: up to 90% RH at wet bulb less than 65 C

Specifications

PARAMETER	VALUE
Maximum DC bias voltage	+/-40 V
Terminal connector	7 mm
DUT connection	2 terminal

Specifications

PARAMETER	VALUE
Electrical length	50 mm
Supported DUT styles	axial radial leaded and SMD
Recommended analyzer class	4291A/B high-temperature test head

Specifications

PARAMETER	VALUE
Primary use	temperature-dependent component impedance
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Specifications

PARAMETER	VALUE
Fixture type	RF component test fixture
Temperature extremes	cryogenic-to-hot oven compatible class
Manual part class	16194-90030 operation and service

Notes

Specs from Agilent/Keysight 16194A product pages and operation/service literature. Confirm mating cables/test head and oven interface on the installation.

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.