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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 11604A

HP Agilent 11604A Universal Extension for Transistor Fixtures The HP 11604A isauniversal extension used with HP transistor fixtures and network analyzers to measure two-port reflection and transmission. OEM accessory listings describe 11604A as the universal extension tool that interfaces 11600B/11602B transistor fixtures to s-parameter test sets so devices can be biased (8717B) and measured without changing the calibrated reference plane awkwardly. It isacatalog RF measurement accessory in the transistor s-parameter fixture line. The HP 11604A isauniversal extension used with HP transistor fixtures and network analyzers to measure two-port reflection and transmission. OEM accessory listings describe 11604A as the universal extension tool that interfaces 11600B/11602B transistor fixtures to s-parameter test sets so devices can be biased (8717B) and measured without changing the calibrated reference plane awkwardly. It isacatalog RF measurement accessory in the transistor s-parameter fixture line. Two-port reflection/transmission measurements of transistors in 11600B/11602B fixtures.



MODEL

**Agilent / Keysight
11604A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

11604A

LISTING

<https://aumictechlabs.com/products/11604a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 11604A is a four-terminal (Kelvin) test fixture engineered to deliver accurate resistance and impedance measurements of axial components. By establishing separate current and voltage measurement paths directly to component terminals, the fixture eliminates lead

resistance and contact impedance from measurements - critical for high-precision characterization in manufacturing and research environments.

Technical Specifications

Measurement Method: Four-terminal (Kelvin) configuration with independent current and voltage measurement paths

Target Components: Axial components across a range of sizes

Measurement Parameters: Resistance and impedance characterization

Key Features

- Four-terminal Kelvin connection topology minimizes measurement error from lead and contact resistance
- Low-impedance measurement paths for enhanced accuracy

Benchtop and automated test system integration

Direct terminal connection capability for component under test

Typical Applications

- High-precision component resistance testing
- Calibration and verification workflows
- Quality control in electronic component manufacturing
- Research-grade impedance characterization
- Low-resistance measurement validation

Compatibility & Integration

The 11604A functions as an accessory to four-terminal measurement instruments, including multimeters and specialized component analyzers. Design accommodates variable axial component dimensions, supporting diverse test scenarios. Fixture establishes four separate lead connections - two for current excitation, two for voltage sensing - to the device under test, enabling accurate low-resistance characterization across supported component sizes.

11604A Characteristics / Specifications

PARAMETER	VALUE
Model	11604A
Instrument Type	Universal extension for transistor fixtures
Related Fixtures	11600B and 11602B transistor fixtures
Related Bias	8717B transistor bias supply
Measurement Class	two-port reflection and transmission
Manufacturer	HP Agilent Keysight
Use Case	transistor fixture extension
Literature	HP 11604A universal extension listings
Family	HP transistor s-parameter fixtures
Documentation Type	OEM 11604A listing
Brand Lineage	Hewlett Packard Agilent Keysight
System Role	fixture extension
Form Factor	RF fixture extension
Application Class	transistor s-parameter test
Operating Temperature Class	laboratory RF
Year Class	HP transistor fixture family
Vendor Path	HP Agilent Keysight
Documentation Class	OEM fixture catalog
Rf Class	coaxial fixture extension
Analyzer Class	network analyzer transistor test
Bias Class	8717B DC bias through fixture
Companion Role	extension between fixture and s-parameter test set
Connector Class	fixture/test-set interconnect
Calibration Class	used in calibrated transistor s-parameter setups
Operating temperature	Class: laboratory RF

11604A Specifications

PARAMETER	VALUE
Applications	Two-port reflection/transmission measurements of transistors in 11600B/11602B fixtures.
Universal fixture extension	Works with 11600B/11602B
Technical Specifications	Model: 11604A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory RF
Operating Temperature	Class: laboratory RF
Operating Temperature Class	laboratory RF
Year Class	HP transistor fixture family
Vendor Path	HP Agilent Keysight
Documentation Class	OEM fixture catalog
Rf Class	coaxial fixture extension
Analyzer Class	network analyzer transistor test
Bias Class	8717B DC bias through fixture
Companion Role	extension between fixture and s-parameter test set
Connector Class	fixture/test-set interconnect
Calibration Class	used in calibrated transistor s-parameter setups Notes From HP 11604A universal-extension listings (11600B/11602B transistor fixtures, 8717B bias, two-port reflection/transmission). Insertion loss, SWR, and connector sex are on the 11604A specification page.

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.