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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 16081A

HP Agilent Keysight 16081A Test Leads for 4-Terminal Pair LCR Meters The Keysight 16081A is a 4-terminal-pair test-lead set for LCR meters and impedance analyzers. OEM impedance-accessories catalogs list 16081A test leads for connecting 4TP instruments to fixtures or DUTs where Kelvin clips (16078A/16089) are not used. General 4TP connections between E4980/E4990 class instruments and user fixtures. Instrument Type: 4-terminal pair test lead set The Keysight 16081A is a 4-terminal-pair test-lead set for LCR meters and impedance analyzers. OEM impedance-accessories catalogs list 16081A test leads for connecting 4TP instruments to fixtures or DUTs where Kelvin clips (16078A/16089) are not used. General 4TP connections between E4980/E4990 class instruments and user fixtures. Instrument Type: 4-terminal pair test lead set Applicable Instruments: E4980A/AL, E4981A, E4990A class



MODEL

**Agilent / Keysight
16081A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

16081A

LISTING

<https://aumictechlabs.com/products/16081a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 16081A is an external bias fixture that applies DC voltage or current to a Device Under Test during impedance measurements. It extends the measurement capabilities of compatible LCR meters and impedance analyzers, enabling characterization of components and materials under specific operating conditions that demand external bias application. Technical Specifications DUT Connection: 2-terminal or 4-terminal connection depending on configuration and measurement type, minimizing contact and lead impedance errors Bias Application: Applies

external DC voltage bias or DC current bias; maximum values determined by external source and fixture limits Frequency Range: DC to specified upper limit (dependent on model) Connectors: BNC connectors for DC bias input/output and monitoring; specialized terminals for DUT connection Impedance Characteristics: Low-impedance path for measurement signals to ensure measurement accuracy Key Features Dual bias capability - voltage or current application to DUT Multi-terminal connection options for flexible measurement configurations BNC-based bias input interface Benchtop form factor with integrated low-impedance design Typical Applications Characterizing capacitors, inductors, and resistors under DC bias conditions Measuring component behavior in real-world operating scenarios Impedance analysis of materials and devices requiring external bias Component validation across specified DC bias ranges Compatibility & Integration Designed for use with Agilent and Keysight LCR meters and impedance analyzers supporting external bias application. Consult specific instrument documentation for confirmed model compatibility.

16081A Characteristics / Specifications

PARAMETER	VALUE
Model	16081A
Instrument Type	4-terminal pair test lead set
Terminal Connector	4-terminal pair BNC
Applicable Instruments	E4980A/AL, E4981A, E4990A class
Manufacturer	HP Agilent Keysight
Use Case	4TP instrument to DUT/fixture
Form Factor	test lead set
Literature	impedance accessories catalog 16081A
Compensation	open and short recommended
Operating Temperature Class	0 to 55 C
Related Clips	16078A Kelvin clip leads
Related Fixture	16047A/E 16034E
Cable	4TP
Impedance	4-terminal pair
DUT End	4TP compatible
Voltage	within host LCR rating
Frequency	within host LCR and lead limits
Storage	with LCR accessories
Length	catalog lead length on 16081A
Shield	4TP guarded/shielded class
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Operating temperature	Class: 0 to 55 C

16081A Specifications

PARAMETER	VALUE
Applications	General 4TP connections between E4980/E4990 class instruments and user fixtures.
Key Features	4-terminal-pair test leads
BNC instrument interface	Works with E4980/E4990 class
Open/short compensation	General-purpose 4TP cabling
Technical Specifications	Model: 16081A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
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Related Fixture	16047A/E 16034E
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Impedance	4-terminal pair
DUT End	4TP compatible
Voltage	within host LCR rating
Frequency	within host LCR and lead limits
Storage	with LCR accessories
Length	catalog lead length on 16081A
Shield	4TP guarded/shielded class
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications Notes Identity from Keysight impedance-accessories catalog 16081A test leads. Electrical length and residual impedance are in the 16081A fixture table used by the host LCR adapter setup.

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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NIST-traceable calibration · SAM registered ·
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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.