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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N1414A

HP Agilent Keysight N1414A High Resistance Measurement Universal Adapter The Keysight N1414A high resistance measurement universal adapter simplifies cabling for B2985A/B2987A electrometer/high resistance meters by switching floating and grounded measurement modes with a single button. OEM flyer 5992-0474EN states the adapter also routes the sourced voltage to the instrument voltmeter with 100:1 internal attenuation of the monitored voltage. High resistance measurements that alternately require floating and grounded DUT connections on B2985A/B2987A electrometers. The Keysight N1414A high resistance measurement universal adapter simplifies cabling for B2985A/B2987A electrometer/high resistance meters by switching floating and grounded measurement modes with a single button. OEM flyer 5992-0474EN states the adapter also routes the sourced voltage to the instrument voltmeter with 100:1 internal attenuation of the monitored voltage. High resistance measurements that alternately require floating and grounded DUT connections on B2985A/B2987A electrometers. One button floating versus grounded mode switch

**MODEL****Agilent / Keysight
N1414A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****N1414A****LISTING**<https://aumictechlabs.com/products/n1414a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight N1414A is a high resistance measurement universal adapter that streamlines connectivity and measurement configuration for precision electrometer applications. Designed for use with Keysight's B2980A, B2980B, and B2980C Series instruments, this adapter eliminates

manual cable reconfiguration by enabling single-button mode switching between floating and grounded Device Under Test (DUT) configurations. The N1414A accepts triaxial cable connections for current measurement and banana cable inputs for DUT biasing, simplifying the physical setup required for high resistance characterization. An integrated manual switch selects between operating modes without requiring cable disconnection or reconnection - a critical advantage in reducing measurement errors and setup time.

Technical Specifications

Measurement Configuration: Triaxial cable connection for current measurement; banana cable connection for DUT bias sourcing

Operating Modes: Manual switch-selectable floating and grounded DUT configurations

Voltage Monitoring: Compatible with voltmeter function of B2980A, B2980B, and B2980C Series meters for sourced voltage observation

Cable Requirements: Triaxial cable and banana cable (sold separately)

Key Features

- Single-button mode switching eliminates manual cable reconfiguration
- Reduces setup time and minimizes measurement errors associated with repeated connections
- Supports concurrent current and voltage measurements through separate signal paths
- Direct attachment design for seamless integration with compatible electrometers

Typical Applications

- High resistance material characterization and quality assurance
- Device leakage current and insulation resistance measurement
- Surface and bulk resistivity testing in semiconductor and materials research

Compatibility & Integration

Supported Instruments:

- Keysight B2980A Series Electrometer/High Resistance Meter
- Keysight B2980B Series Electrometer/High Resistance Meter (B2985B, B2987B variants)
- Keysight B2980C Series Picoammeter/Electrometer

Available Configuration: The N1410A starter kit bundles the N1414A adapter with an alligator clip cable for immediate operational deployment.

N1414A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	High resistance measurement universal adapter
Host Instruments	B2985A and B2987A Electrometer/High Resistance Meter
Host Family Class	Keysight B2980A Series
Mode Switching	Floating mode and grounded mode via single button
Voltage Monitor Path	Connects DUT path to B2985A/B2987A voltmeter
Voltage Monitor Attenuation	Factor of 100 internal
Max Host Source Voltage Class	Up to 1000 V on B2985A/B2987A source
Host Resistance Capability Class	Up to 10 POhm class on B2980A series
Host Current Resolution Class	0.01 fA class on B2980A series
Host Picoamp Range Class	2 pA range class best in class on B2980A series
Connector Function Class	High resistance cabling adapter
Series Family	Keysight B2980 accessories
Literature	Keysight 5992-0474EN
Battery Host Sibling Class	B2987A battery model eliminates AC line noise
Graphical Host Views Class	Time domain and histogram on B2980A series
Interlock Safety Class	Follow host interlock limits when fixtures attached
Operating Use	Bench high resistance measurement setups
Form Factor	Inline universal adapter accessory
Switching Method	Single button push between floating and grounded
Manual Recabling Eliminated	Yes for floating versus grounded changes
Host Voltmeter Function Used	Yes for sourced voltage monitor
Product Category	Electrometer high resistance accessory
Attenuation	Factor of 100 internal

N1414A Specifications

PARAMETER	VALUE
Applications	High resistance measurements that alternately require floating and grounded DUT connections on B2985A/B2987A electrometers.
One button floating versus grounded mode switch	Eliminates repeated manual cable reconfiguration
Voltmeter monitoring of sourced voltage	100:1 internal attenuation of monitored voltage
Technical Specifications	Instrument Type: High resistance measurement universal adapter

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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Notes	
From Keysight N1414A High Resistance Measurement Universal Adapter flyer 5992-0474EN and B2980A Series overview context. Electrical limits of the measurement remain those of the attached B2985A/B2987A and 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.