


Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N1422A

HP Agilent Keysight N1422A High Resistance Evaluation Resistor Box The Keysight N1422A is a high-resistance evaluation accessory used with B2980-series electrometer/high resistance meters to verify high-resistance measurement capability. OEM B2980B Series documentation lists N1422A among high-resistance accessories alongside N1413A fixture adapter and N1414A universal adapter for electrometer setups. Evaluation and verification of high-resistance measurement paths on B2985/B2987 electrometer systems. The Keysight N1422A is a high-resistance evaluation accessory used with B2980-series electrometer/high resistance meters to verify high-resistance measurement capability. OEM B2980B Series documentation lists N1422A among high-resistance accessories alongside N1413A fixture adapter and N1414A universal adapter for electrometer setups. Evaluation and verification of high-resistance measurement paths on B2985/B2987 electrometer systems. High resistance evaluation accessory for B2980 series Used with electrometer/high resistance meter setups



MODEL

**Agilent / Keysight
N1422A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N1422A

LISTING

<https://aumictechlabs.com/products/n1422a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N1422A is a precision resistor box engineered to validate high-resistance measurement performance in sensitive test instruments. It delivers a fixed 100 GΩ resistance element for direct evaluation of Keysight Femto/Picoammeters and Electrometers, enabling both high-resistance characterization and current measurement assessment when paired with an

external voltage source. Technical Specifications Resistance Value: $100\text{ G}\Omega$ ($1 \times 10^{11}\text{ }\Omega$) Bias Capability: Up to 21 V via interlock connector Key Features Coaxial and triaxial connector options for flexible test configuration Interlock connector rated for bias voltages to 21 V Purpose-built for high-impedance measurement validation Typical Applications High-resistance measurement capability evaluation in precision electrometers Current measurement assessment using external bias sources Performance validation of ultra-sensitive picoammeter instruments Compatibility & Integration The N1422A integrates directly with Keysight's B2980A series instruments: B2985A Femto/Picoammeter and Electrometer - high-resistance measurement B2987A Femto/Picoammeter and Electrometer - high-resistance measurement B2981A Femto/Picoammeter - current measurement with external bias B2983A Femto/Picoammeter - current measurement with external bias The unit is specified as a component within the N1299A-301 Evaluation Kit for comprehensive system testing.

N1422A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	High resistance evaluation resistor box accessory
Host Instrument Family	Keysight B2980 Series electrometer/high resistance meters
Compatible Host Examples	B2985A B2987A B2985B B2987B class
Companion Fixture Adapter	N1413A high resistance meter fixture adapter
Companion Universal Adapter	N1414A
Companion Resistivity Cell Family	N1424A/B/C
Companion Test Leads Family	N1425A/B
Companion Test Fixture	N1428A
Host Max Test Voltage Class	1000 V maximum applicable test voltage class
Host Max Test Current Class	Accessory-dependent; N1425/N1426 class 0.5 mA maximum in OEM accessory table
Interlock Circuit Class	Furnished on related N142x fixtures
Operating Temperature Accessory Class	0 to 55 C (N1425 N1426 N1427 N1428 class)
Operating Humidity Class	less than or equal to 70 percent RH at 40 C non-condensing
Non Operating Temperature Class	-40 to 70 C
Non Operating Humidity Class	less than or equal to 95 percent RH at 40 C non-condensing
Host Current Resolution Class	0.01 fA class on B2980 electrometers
Host Resistance Capability Class	Up to 10 POhm class
Series Family	Keysight B2980 high resistance accessories
Literature	Keysight B2980B Series Femto/Picoammeter and Electrometer/High Resistance Meter data sheet accessory tables
Product Category	Electrometer high resistance accessory
Evaluation Purpose	Verify high resistance measurement capability
Guarding Practice Class	Supports guarded high resistance setups
Operating temperature	Accessory Class: 0 to 55 C (N1425 N1426 N1427 N1428 class)
Humidity	Class: less than or equal to 70 percent RH at 40 C non-condensing

N1422A Specifications

PARAMETER	VALUE
Applications	Evaluation and verification of high-resistance measurement paths on B2985/B2987 electrometer systems.
Key Features	High resistance evaluation accessory for B2980 series
Used with electrometer/high resistance meter setups	Works in fixture adapter ecosystems with N1413A
Technical Specifications	Instrument Type: High resistance evaluation resistor box accessory

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Accessory Class: 0 to 55 C (N1425 N1426 N1427 N1428 class)
Operating Temperature	Accessory Class: 0 to 55 C (N1425 N1426 N1427 N1428 class)
Humidity	Class: less than or equal to 70 percent RH at 40 C non-condensing
Operating Temperature Accessory Class	0 to 55 C (N1425 N1426 N1427 N1428 class)
Operating Humidity Class	less than or equal to 70 percent RH at 40 C non-condensing
Non Operating Temperature Class	-40 to 70 C
Non Operating Humidity Class	less than or equal to 95 percent RH at 40 C non-condensing
Host Current Resolution Class	0.01 fA class on B2980 electrometers
Host Resistance Capability Class	Up to 10 POhm class
Series Family	Keysight B2980 high resistance accessories
Literature	Keysight B2980B Series Femto/Picoammeter and Electrometer/High Resistance Meter data sheet accessory tables
Product Category	Electrometer high resistance accessory
Evaluation Purpose	Verify high resistance measurement capability
Guarding Practice Class	Supports guarded high resistance setups Notes From Keysight B2980B Series accessory tables listing N1422A. Exact resistor values and schematic limits belong on the N1422A label/manual for the shipped unit; do not invent undocumented resistor magnitudes.

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
Instrument Type	High resistance evaluation resistor box accessory
Host Instrument Family	Keysight B2980 Series electrometer/high resistance meters
Compatible Host Examples	B2985A B2987A B2985B B2987B class
Companion Fixture Adapter	N1413A high resistance meter fixture adapter
Companion Universal Adapter	N1414A
Companion Resistivity Cell Family	N1424A/B/C
Companion Test Leads Family	N1425A/B
Companion Test Fixture	N1428A
Host Max Test Voltage Class	1000 V maximum applicable test voltage class
Host Max Test Current Class	Accessory-dependent; N1425/N1426 class 0.5 mA maximum in OEM accessory table
Interlock Circuit Class	Furnished on related N142x fixtures
Operating Temperature Accessory Class	0 to 55 C (N1425 N1426 N1427 N1428 class)
Operating Humidity Class	less than or equal to 70 percent RH at 40 C non-condensing
Non Operating Temperature Class	-40 to 70 C
Non Operating Humidity Class	less than or equal to 95 percent RH at 40 C non-condensing
Host Current Resolution Class	0.01 fA class on B2980 electrometers
Host Resistance Capability Class	Up to 10 P0hm class
Series Family	Keysight B2980 high resistance accessories
Literature	Keysight B2980B Series Femto/Picoammeter and Electrometer/High Resistance Meter data sheet accessory tables
Product Category	Electrometer high resistance accessory
Evaluation Purpose	Verify high resistance measurement capability
Guarding Practice Class	Supports guarded high resistance setups
Notes	
From Keysight B2980B Series accessory tables listing N1422A. Exact resistor values and schematic limits belong on the N1422A label/manual for the shipped unit; do not invent undocumented resistor magnitudes.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.