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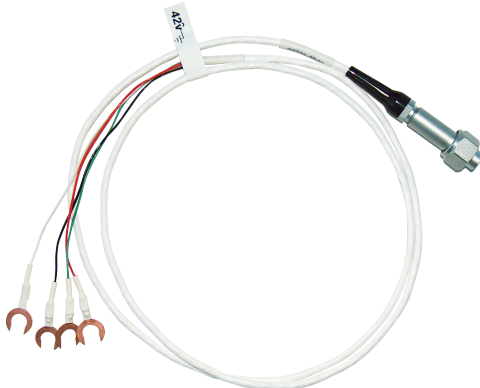
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 34102A

Agilent/Keysight 34102A Overview This listing is a catalog accessory or spare in the Agilent / Keysight catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Applications Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.



MODEL

**Agilent / Keysight
34102A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34102A

LISTING

<https://aumictechlabs.com/products/34102a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight 34102A is a low-thermal input cable assembly engineered specifically for the 34420A Nano Volt/Micro Ohm Meter. This 1.2 meter shielded 4-conductor cable minimizes thermal electromotive forces (EMFs) that degrade measurement fidelity in precision low-voltage and low-resistance applications. The cable terminates with a custom mating connector on one end and copper spade lugs on the other, providing direct interface to the 34420A instrument. Shielding and low-thermal construction preserve signal integrity where thermal gradients would otherwise introduce significant errors.

Technical Specifications

Cable Length:	1.2 m (48 inches)
Conductor Configuration:	4-conductor, shielded
Connector Type:	Custom mating connector (34420A end) Copper spade lugs (measurement end)
Cable Weight:	0.06 kg
Voltage Rating:	120 VDC
Design:	Low-thermal construction to suppress thermal EMF errors

Key Features

Shielded construction minimizes external noise coupling Low-thermal cable geometry reduces self-generated EMFs during sensitive measurements Custom connector ensures proper impedance matching with the 34420A Copper spade lugs enable secure, direct connection to measurement points Compact 1.2 m length suitable for bench and laboratory configurations

Typical Applications Precision resistance measurements in the micro-ohm range Low-level DC voltage acquisition where thermal noise is a limiting factor Instrument calibration and characterization work Semiconductor device testing and parameter extraction Materials characterization requiring high-resolution electrical measurements

Compatibility & Integration This cable is exclusively designed for the Keysight 34420A Nano Volt/Micro Ohm Meter and is not compatible with other instruments or digital multimeters. It is the standard input cable supplied with the 34420A.

34102A Characteristics / Specifications

PARAMETER	VALUE
Model	34102A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 34102A
Sku	34102A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	34102A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	34102A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 34102A
Sku	34102A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	34102A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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.