

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 34171B

Agilent/Keysight 34171B 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
34171B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34171B

LISTING

**[https://aumictechlabs.c
om/products/34171b-2/](https://aumictechlabs.com/products/34171b-2/)**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 34171B is an input terminal block accessory that provides reliable connections to compatible digital multimeter (DMM) input terminals. The kit consists of two connector blocks, each with five shrouded banana plug terminals, engineered to simplify wiring while maintaining measurement integrity across voltage, current, and resistance measurement modes. Low-thermal copper alloy terminals minimize thermally-induced voltages that arise from dissimilar metal junctions. For optimal performance, unplated copper wire of 18 gauge or smaller should be used throughout all connections. The terminal block design accommodates standard T-15 Torx fasteners for installation and includes strain relief provisions via cable tie attachment to the base. The cover must remain installed during operation to prevent electrical shock hazard. Technical Specifications Maximum voltage (H to L): 1000 VDC or 750 VAC / 1000 Vpk

maximum Maximum voltage (L to ground): 500 Vpk floating potential, provided H does not exceed 1000 Vpk relative to ground Current input (I to L): 3 A (rms) maximum Four-wire sense protection limit: 200 Vpk (L 4W Sense to L Input; H 4W Sense to L Input; H 4W Sense to L 4W Sense) Wire size recommendation: 18 gauge or smaller Wire type recommendation: Unplated copper Terminal material: Low-thermal copper alloys Safety standard: Meets or exceeds IEC 1010-2-031 and IEC 61010-1Key Features Dual connector blocks with five shrouded terminals each Low-thermal copper alloy construction reduces thermal offset voltages Designed for four-wire resistance measurement capability Integrated cable management via base-mounted strain relief Shrouded terminal design provides inherent shock protectionTypical Applications Multi-channel voltage and current measurement circuits Four-wire resistance measurement setups Test systems requiring isolated input terminal blocksCompatibility & Integration Compatible with Agilent and Keysight digital multimeters: 34401A, 34410A, 34411A, L4411A, 34460A, and 34461A.

34171B Characteristics / Specifications

PARAMETER	VALUE
Model	34171B
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 34171B
Sku	34171B
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	34171B
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	34171B
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 34171B
Sku	34171B
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	34171B
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.