

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 24542G

Agilent/Keysight 24542G 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
24542G**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

24542G

LISTING

<https://aumictechlabs.com/products/24542g-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 24542G is an RS-232 interface cable that bridges DB-25 (DTE) and DB-9 (female) connectors. Purpose-built for test and measurement environments, it enables reliable serial communication between counters, terminals, printers, and compatible Agilent/Keysight instrumentation. The cable assembly supports the 6811B product family and associated signal generation systems requiring bidirectional RS-232 connectivity. Technical Specifications Connector Configuration: DB-25 to DB-9 Interface Standard: RS-232 Weight: 2 lbs Dimensions: 10 × 10 × 4 in Key Features Female DB-9 termination ensures compatibility with standard serial ports on terminals and peripheral devices DB-25 connector interfaces directly with legacy Agilent/Keysight counters and systems RS-232 protocol guarantees industry-standard

asynchronous serial communication Compact form factor designed for bench and rack-mounted test configurations Typical Applications Counter control and data logging in automated test environments Terminal interface for 6811B series programmable function generators Printer connectivity for measurement result documentation Legacy equipment integration within mixed-generation test benches Compatibility & Integration The 24542G directly supports Agilent/Keysight 6811B systems, which offer programmable AC and DC voltage sources with user-definable waveforms (sine, square, clipped sine). The cable enables remote command sequencing and parameter adjustment - including frequency, phase, current limit, output impedance, and voltage/frequency slew control - from external control terminals or printer interfaces. Ideal for retrofit applications and systems requiring transparent RS-232 pass-through without additional conversion logic.

24542G Characteristics / Specifications

PARAMETER	VALUE
Model	24542G
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 24542G
Sku	24542G
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	24542G
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	24542G
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 24542G
Sku	24542G
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	24542G
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.