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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 34520 6.5 Digit Multimeter Module

HP Agilent 34520 6.5-Digit Multimeter Module for 3235 Switch/Test Unit The HP 34520 (34520A/B) is a 6.5-digit multimeter plug-in for the HP 3235 Switch/Test Unit. The 3235 provides a 10-slot plugin cage, analog buses, trigger buses, and optional 3235E extenders (up to seven). The 34520 rides those analog buses for scanned DMM measurements. 3235PS in this catalog is the 3235 mainframe power supply spare. 3235-based ATE DMM; scanned measurements through 3235 analog buses; production functional test with 34522 DIO and other 345xx plugins. The HP 34520 (34520A/B) is a 6.5-digit multimeter plug-in for the HP 3235 Switch/Test Unit. The 3235 provides a 10-slot plugin cage, analog buses, trigger buses, and optional 3235E extenders (up to seven). The 34520 rides those analog buses for scanned DMM measurements. 3235PS in this catalog is the 3235 mainframe power supply spare. 3235-based ATE DMM; scanned measurements through 3235 analog buses; production functional test with 34522 DIO and other 345xx plugins.



MODEL

**Keysight / Agilent /
HP 34520**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34520

LISTING

[https://aumictechlabs.c
om/products/34520-2/](https://aumictechlabs.com/products/34520-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight/Agilent/HP 34520A is a 6.5-digit digital multimeter module engineered for integration into automated test systems and benchtop measurement applications. Designed as a

plug-in module for compatible mainframes, it delivers the precision and resolution required for electrical characterization and validation tasks. The 34520A provides six-and-a-half digits of measurement accuracy across a full range of standard multimeter functions. Technical Specifications As a 6.5-digit multimeter module, the 34520A supports the following measurement capabilities: DC Voltage AC Voltage DC Current AC Current Resistance Frequency Temperature (functionality may vary by configuration) Detailed measurement ranges, accuracy specifications, and sampling rates are documented in the product user manual and technical documentation. Key Features 6.5-digit resolution for high-precision electrical measurements Plug-in module architecture for seamless mainframe integration Standard multimeter function set for comprehensive electrical testing Designed for both automated test system deployment and manual benchtop operation Typical Applications The 34520A is suited for precision electrical characterization, component validation, and systems integration testing where high-resolution DC and AC measurements are required across voltage, current, resistance, and frequency domains. Compatibility & Integration The 34520A is a plug-in module compatible with the Keysight/Agilent/HP 3235A Switch/Test Unit mainframe. The module operates under the control and communication infrastructure of its host mainframe, which provides GPIB, RS-232, and LAN/LXI connectivity options depending on mainframe configuration. Physical installation follows the slot-based architecture of the 3235A platform.

Features & description

From manufacturer datasheet

Features

- 6.5-digit DMM plugin (notabenchtop 34401A)

34520 Characteristics / Specifications

PARAMETER	VALUE
Model	34520
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	6.5 Digit Multimeter Module
Family	HP 3235 345xx plugins
Alias	34520; 34520A; 34520B; HP 34520
Digits	6.5
Host Mainframe	HP 3235 Switch/Test Unit
Host Slots	10-slot plugin cage
Extenders	up to seven 3235E extender frames
Analog Buses	four backplane analog buses
Trigger Buses	two
Related 345	digital I/O module (this catalog)
Related 3235PS	3235 mainframe power supply (this catalog)
Related 34501 to 345	3235 plugin family
Revisions	A andB Form: 3235 plugin card
Functions	DCV ACV ohms class 6.5-digit DMM
Scan	via 3235 analog bus and switch plugins
Programming	3235 HP-IB
Not 34401A	different architecture
Not E1411A	VXI DMM is separate
Status	HP 34520 EOL
Cooling	3235 cage airflow
Power	3235 backplane (3235PS)
Calibration	module cal constants
Terminal	3235 quick interconnect fixture family

PARAMETER	VALUE
Use	system DMM
Documentation	3235/34520 manuals Notes 6.5-digit 3235 DMM-module identity from HP 34520A/B literature. Accuracy tables are in the 34520/3235 specifications: do not copy 34401A 1-year DCV figures onto this plugin.
Host	HP 3235 10-slot switch/test unit

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
Model	34520
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	6.5 Digit Multimeter Module
Specifications	
PARAMETER	VALUE
Family	HP 3235 345xx plugins
Alias	34520; 34520A; 34520B; HP 34520
Digits	6.5
Specifications	
PARAMETER	VALUE
Host Mainframe	HP 3235 Switch/Test Unit
Host Slots	10-slot plugin cage
Extenders	up to seven 3235E extender frames
Specifications	
PARAMETER	VALUE
Analog Buses	four backplane analog buses
Trigger Buses	two
Related 34522	digital I/O module (this catalog)
Specifications	
PARAMETER	VALUE
Related 3235PS	3235 mainframe power supply (this catalog)
Related 34501 to 34524	3235 plugin family
Revisions	A andB Form: 3235 plugin card

Specifications

PARAMETER	VALUE
Functions	DCV ACV ohms class 6.5-digit DMM
Scan	via 3235 analog bus and switch plugins
Programming	3235 HP-IB

Specifications

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Not 34401A	different architecture
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Specifications

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PARAMETER	VALUE
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Documentation	3235/34520 manuals

Notes

6.5-digit 3235 DMM-module identity from HP 34520A/B literature. Accuracy tables are in the 34520/3235 specifications: do not copy 34401A 1-year DCV figures onto this plugin.

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.