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**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

# Agilent/Keysight 34505C

Agilent Keysight 34505C 3235 switched-shield or coaxial multiplexer module Queue model 34505C is the HP 34505C 3235 switched-shield or coaxial multiplexer module for the HP 3235 switching mainframe. Remaining-queue title is Agilent/Keysight 34505C. OEM 345xx coverage places these cards in the 3235 34501/34504/34506/34520 family. Exact channel map, volts, and amperes are on the 34505C 3235 module sheet. Sibling 34504C switched-shield coaxial mux class isadifferent SKU; those published numbers are not copied onto 34505C. Queue model 34505C is the HP 34505C 3235 switched-shield or coaxial multiplexer module for the HP 3235 switching mainframe. Remaining-queue title is Agilent/Keysight 34505C. OEM 345xx coverage places these cards in the 3235 34501/34504/34506/34520 family. Exact channel map, volts, and amperes are on the 34505C 3235 module sheet. Sibling 34504C switched-shield coaxial mux class isadifferent SKU; those published numbers are not copied onto 34505C. ATE signal switching in HP 3235 mainframes that specify 34505C.



MODEL

**Agilent / Keysight  
34505C**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**34505C**

LISTING

<https://aumictechlabs.com/products/34505c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Agilent/Keysight 34505C is a precision calibrator engineered to establish voltage, current, and resistance standards for calibrating digital multimeters and electronic test equipment. It delivers the stable, traceable output required in metrology laboratories and calibration facilities.

The instrument incorporates isolation features to prevent ground loops - a critical requirement for maintaining measurement accuracy during high-precision calibration operations. Built to operate in controlled indoor environments up to 2000 meters altitude and 95% relative humidity, the 34505C integrates with standard laboratory infrastructure for DMM validation and equipment traceability certification.

**Technical Specifications**

**Calibration Standards:** Voltage, current, and resistance output

**Operating Altitude:** Up to 2000 meters

**Maximum Relative Humidity:** 95%

**Installation Category:** II

**Pollution Degree:** 2

**Isolation Features:** Ground loop prevention

**Key Features**

Isolation architecture prevents ground loop coupling

Designed for indoor metrology environments

Supports traceability certification workflows

Requires proper equipment grounding to minimize shock hazard

**Typical Applications**

Digital multimeter calibration and verification

Electronic test equipment standards validation

Calibration laboratory operations

Metrology and traceability certification

**Compatibility & Integration**

The 34505C can interface with digital multimeters and standard laboratory test equipment in controlled indoor environments meeting Installation Category II specifications.

## 34505C Characteristics / Specifications

| PARAMETER          | VALUE                                                          |
|--------------------|----------------------------------------------------------------|
| Model              | 34505C                                                         |
| Instrument Type    | 3235 switched-shield or coaxial multiplexer module             |
| Manufacturer       | Hewlett Packard / Agilent / Keysight                           |
| Literature         | HP/Agilent/Keysight 34505C remaining-queue listing             |
| Family             | HP 3235 345xx switch modules                                   |
| Form Factor        | 3235 plug-in switch module                                     |
| System Role        | 3235 switched-shield or coaxial multiplexer module             |
| Brand Lineage      | HP / Agilent / Keysight                                        |
| Queue Title        | Agilent/Keysight 34505C                                        |
| Documentation Type | OEM 34505C listing                                             |
| Use Case           | ATE signal switching in HP 3235 mainframes that specify 34505C |
| Vendor Path        | HP / Agilent / Keysight                                        |
| Year Class         | 34505C generation                                              |
| Application Class  | 3235 switched-shield or coaxial multiplexer module             |
| Module Class       | 3235 switched-shield or coaxial multiplexer module             |
| Host Class         | HP 3235 switching mainframe                                    |
| Connector Class    | connectors on the 34505C drawing                               |
| Ate Class          | ATE signal switching                                           |
| Control Class      | 3235 mainframe programming                                     |
| Environment Class  | 3235 mainframe ambient                                         |
| Mains Class        | powered by 3235 mainframe                                      |
| Voltage Class      | volts on the 34505C sheet                                      |
| Current Class      | amperes on the 34505C sheet                                    |
| Host Mainframe     | HP 3235 / 3235A switching mainframe                            |
| Sibling            | 34504C switched-shield coaxial mux class                       |

# 34505C Specifications

| PARAMETER                | VALUE                                                             |
|--------------------------|-------------------------------------------------------------------|
| Applications             | ATE signal switching in HP 3235 mainframes that specify 34505C.   |
| Key Features             | HP 34505C 3235 3235 switched-shield or coaxial multiplexer module |
| Technical Specifications | Model: 34505C                                                     |

# 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     |                                                                |
|--------------------|----------------------------------------------------------------|
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| Mains Class        | powered by 3235 mainframe                                      |
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| Current Class      | amperes on the 34505C sheet                                    |
| Host Mainframe     | HP 3235 / 3235A switching mainframe                            |
| Sibling            | 34504C switched-shield coaxial mux class                       |

#### Notes

From remaining-queue title Agilent/Keysight 34505C (HP 3235 345xx switch family). Channel map, volts, and amperes are on the 34505C module sheet. Do not copy sibling 34504C switched-shield coaxial mux class numbers onto this SKU.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto: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.