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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 3235A

Module Examples: 4-channel DAC, AC/DC source, multiplexer cards Documentation: HP 3235A Switch/Test Unit product data Card Family: 3235 plug-in switch source and measure cards Measure: internal DMM plus card measurements Documentation: HP 3235A Switch/Test Unit product data Card Family: 3235 plug-in switch source and measure cards Measure: internal DMM plus card measurements Programming: HP-IB SCPI-era 3235 command set



MODEL

**Agilent / Keysight
3235A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

3235A

LISTING

<https://aumictechlabs.com/products/3235a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 3235A is a modular Switch/Test Unit (STU) mainframe designed to house plug-in modules for signal switching, measurement, and signal sourcing functions within automated test systems. The 3235A itself is not a standalone instrument but is the core chassis that accepts various plug-in modules and integrates them into a cohesive test platform. Its primary role is to provide high-integrity signal switching and act as the interface between test instrumentation and the device-under-test. Technical Specifications The 3235A mainframe is equipped with a 10-slot plug-in cage. System expandability is achieved through connection of up to seven HP 3235E extender frames, yielding a total of 80 slots across the entire system. Four backplane analog buses support isolated signal routing between modules and frames. Two trigger buses carry digital trigger signals. HP-IB interface support enables direct programming and control from external computers. Key Features 10-slot plug-in module cage in mainframe

Expandable architecture: supports up to seven HP 3235E extender frames Four isolated backplane analog buses for signal routing Two digital trigger buses for synchronization Quick Interconnect Fixture (QIF) for rapid reconfiguration of internal cabling HP-IB compatibility for remote instrument control Modular design allows configuration tailored to specific test requirements

Typical Applications The 3235A is the core platform for automated test systems requiring flexible signal switching, device characterization, and multi-parameter measurement. Its modular architecture supports applications ranging from component-level testing to complex system-level validation where reconfigurable signal routing is essential.

Compatibility & Integration The 3235A interfaces with HP-IB-compatible controllers and accepts industry-standard plug-in modules. Connection of multiple HP 3235E extender frames allows seamless scaling of system capacity without replacing the mainframe.

Features & description

From manufacturer datasheet

Built-in DMM

HP-IB programmable DAC source and multiplexer cards Functional test mainframe Technical Specifications Model: 3235A Instrument Type: Switch test unit mainframe Slot Count: 10 Built In Dmm: yes Remote Interface: HP-IB Module Examples: 4-channel DAC, AC/DC source, multiplexer cards Manufacturer: HP Agilent Keysight Mechanical Package: card-cage mainframe Application Class: functional ATE Documentation: HP 3235A Switch/Test Unit product data Control: IEEE-488 HP-IB Duty: continuous automated test Power: AC mains powered mainframe Card Family: 3235 plug-in switch source and measure cards Measure: internal DMM plus card measurements Stimulus: DAC and source modules Switching: multiplexer and switch cards Ate Use: one-box switch/measure/source Grounding: chassis ground Programming: HP-IB SCPI-era 3235 command set Mainframe Type: switch/test unit Slot Type: 3235-series plug-in System Family: HP 3235 switch/test Notes From HP 3235A Switch/Test Unit product data (10-slot cage, built-in DMM, HP-IB, DAC/source/mux cards). Exact card mix is on the installed modules.

3235A Characteristics / Specifications

PARAMETER	VALUE
Model	3235A
Instrument Type	Switch test unit mainframe
Slot Count	10
Built In Dmm	yes
Remote Interface	HP-IB
Module Examples	4-channel DAC, AC/DC source, multiplexer cards
Manufacturer	HP Agilent Keysight
Mechanical Package	card-cage mainframe
Application Class	functional ATE
Documentation	HP 3235A Switch/Test Unit product data
Control	IEEE-488 HP-IB
Duty	continuous automated test
Power	AC mains powered mainframe
Card Family	3235 plug-in switch source and measure cards
Measure	internal DMM plus card measurements
Stimulus	DAC and source modules
Switching	multiplexer and switch cards
Ate Use	one-box switch/measure/source
Grounding	chassis ground
Programming	HP-IB SCPI-era 3235 command set
Mainframe Type	switch/test unit
Slot Type	3235-series plug-in
System Family	HP 3235 switch/test

3235A Specifications

PARAMETER	VALUE
HP Agilent 3235A Switch Test Unit	Overview
Key Features	10-slot switch/test card cage
Technical Specifications	Model: 3235A

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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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.