

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 3499C

The Agilent 3499C is the large 3499-series switch/control mainframe with 9 logical / 14 physical slots. OEM 3499A/B/C service-manual specifications list 7.4 kg, 221.5 mm x 426 mm x 353.5 mm, 100 to 240 VAC 47 to 63 Hz at 140 VA, and the same 350 channel/s scan architecture as 3499A/B. High-channel-count ATE; mixed 1-, 2-, and 3-slot-wide switch modules; systems needing up to 360 channels (family datasheet). 9 logical slots mapping onto 14 physical slots Built-in 4-bit digital I/O and Mini-DIN triggers Digital Io Block Transfer Rate: 20 kbytes per second long word Line Voltage: 100 to 240 VAC universal input, 47 Hz to 63 Hz Operating Temperature: 0 C to 55 C; less than 80 percent RH from 0 C to 40 C Numeric rows from Agilent 3499A/B/C Mainframe's Specifications in the 3499A/B/C Service Manual and the Agilent 3499 family switching datasheet. 3499C power, weight, and dimensions differ from 3499A/B.



MODEL

**Agilent / Keysight
3499C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

3499C

LISTING

<https://aumictechlabs.com/products/3499c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 3499C is a modular switch and control mainframe for automated test equipment environments. This full-rack width, 5U unit has flexible signal routing across nine physical slots, expandable to fourteen slots for 1-, 2-, or 3-slot-wide modules. It delivers up to 360 channels of DC multiplexing with scanning rates to 350 channels/second and can open/close 200 channels in less than 0.1 second through parallel driving circuits. Technical Specifications

Module Capacity: 9 physical slots, expandable to 14 slots Maximum Channels: 360 channels (DC multiplexing) Scanning Rate: Up to 350 channels/second Switching Speed: 200 channels open/close in <0.1 second Voltage Range: Up to 250 V maximum (precautions required above 60 Vdc, 30 Vac rms, or 42.4 Vac peak) Current Switching: Up to 8 A (module dependent) Frequency Support: DC to 26.5 GHz (module dependent) Weight: 7.4 kg

Key Features GPIB (IEEE-488) and RS-232 remote control interfaces SCPI-compatible command set Intuitive front-panel interface for manual operation Built-in 4-bit digital I/O port External triggering via 8-pin Mini DIN connector Setup storage: up to 50 instrument configurations (Controller 2.0, Firmware REV 4.0+) Error logging: up to 10 error records Parallel switching architecture for increased test throughput

Available Module Types Multiplexers (MUX) and RF multiplexers General-purpose relays and Form-C relays Matrices and multifunction modules Digital input/output (DIO) modules

Compatibility & Integration The 3499C integrates into mixed-signal and RF test environments supporting DC through microwave frequencies. Module flexibility enables configuration for DC switching, RF multiplexing, and general relay control within a single mainframe. Operator safety requires that module connectors and test signal cables remain tool-accessible only.

Features & description

From manufacturer datasheet

Built-in 4-bit digital I/O and Mini-DIN triggers

Relay cycle counters on plug-in modules Technical Specifications Model: 3499C Instrument Type: Switch control mainframe Series Family: Agilent 3499A/B/C Slot Capacity: 9 logical slots / 14 physical slots Maximum Channels Family: up to 360 channels, module dependent Scan Speed With N2266A: 350 channels per second Bulk Open Close Family: 200 channels in less than 0.1 second Display: vacuum fluorescent, 13 characters Remote Interface: GPIB IEEE-488 and RS-232 Built In Digital Io: 4-bit TTL compatible, maximum Vo 42 V with external pull-up External Trigger Pulse Width: 2 us minimum, TTL compatible External Trigger Delay Max: 2 ms Switch Setting Extra Time: 0 to 99999.999 s in 1 ms steps Parser Open Close At 100: 3 ms open, 3 ms close (N2266A reference) Open Close Time 1 Channel N2266A: 7.1 ms Open Close Time 40 Channels N2266A: 28.9 ms Digital Io Block Transfer Rate: 20 kbytes per second long word Line Voltage: 100 to 240 VAC universal input, 47 Hz to 63 Hz Power Consumption: 140 VA Operating Temperature: 0 C to 55 C; less than 80 percent RH from 0 C to 40 C Storage Temperature: minus 40 C to +70 C Operating Altitude: 3000 m Net Weight: 7.4 kg Dimensions: 221.5 mm x 426 mm x 353.5 mm Pollution Degree: 2

3499C Characteristics / Specifications

PARAMETER	VALUE
Model	3499C
Instrument Type	Switch control mainframe
Series Family	Agilent 3499A/B/C
Slot Capacity	9 logical slots / 14 physical slots
Maximum Channels Family	up to 360 channels, module dependent
Scan Speed With N2266A	350 channels per second
Bulk Open Close Family	200 channels in less than 0.1 second
Display	vacuum fluorescent, 13 characters
Remote Interface	GPIB IEEE-488 and RS-232
Built In Digital Io	4-bit TTL compatible, maximum Vo 42 V with external pull-up
External Trigger Pulse Width	2 us minimum, TTL compatible
External Trigger Delay Max	2 ms
Switch Setting Extra Time	0 to 99999.999 s in 1 ms steps
Parser Open Close At 1	3 ms open, 3 ms close (N2266A reference)
Open Close Time 1 Channel N2266A	7.1 ms
Open Close Time 40 Channels N2266A	28.9 ms
Digital Io Block Transfer Rate	20 kbytes per second long word
Line Voltage	100 to 240 VAC universal input, 47 Hz to 63 Hz
Power Consumption	140 VA
Operating Temperature	0 C to 55 C; less than 80 percent RH from 0 C to 40 C
Storage Temperature	minus 40 C to +70 C
Operating Altitude	3000 m
Net Weight	7.4 kg
Dimensions	221.5 mm x 426 mm x 353.5 mm
Pollution Degree	2

PARAMETER	VALUE
Installation Category	II

3499C Specifications

PARAMETER	VALUE
Agilent 3499C Switch Control Mainframe	Overview
Applications	High-channel-count ATE; mixed 1-, 2-, and 3-slot-wide switch modules; systems needing up to 360 channels (family datasheet).
Key Features	9 logical slots mapping onto 14 physical slots
Same SCPI/3488A programming as 3499A/B	Vacuum-fluorescent 13-character display
Technical Specifications	Model: 3499C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to +70 C
Operating temperature	0 C to 55 C; less than 80 percent RH from 0 C to 40 C
Operating Temperature	0 C to 55 C; less than 80 percent RH from 0 C to 40 C
Operating Altitude	3000 m
Net Weight	7.4 kg
Dimensions	221.5 mm x 426 mm x 353.5 mm
Pollution Degree	2
Installation Category	II Notes Numeric rows from Agilent 3499A/B/C Mainframe's Specifications in the 3499A/B/C Service Manual and the Agilent 3499 family switching datasheet. 3499C power, weight, and dimensions differ from 3499A/B.

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 list 7.4 kg, 221.5 mm x 426 mm x 353.5 mm, 100 to 240 VAC 47 to 63 Hz at 140 VA, and the same 350 channel/s scan architecture as 3499A/B.

Applications

High-channel-count ATE; mixed 1-, 2-, and 3-slot-wide switch modules; systems needing up to 360 channels (family datasheet).

Key Features

9 logical slots mapping onto 14 physical slots

Same SCPI/3488A programming as 3499A/B

Vacuum-fluorescent 13-character display

Built-in 4-bit digital I/O and Mini-DIN triggers

Relay cycle counters on plug-in modules

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	3499C
Instrument Type	Switch control mainframe
Series Family	Agilent 3499A/B/C
Slot Capacity	9 logical slots / 14 physical slots
Maximum Channels Family	up to 360 channels, module dependent
Scan Speed With N2266A	350 channels per second
Bulk Open Close Family	200 channels in less than 0.1 second
Display	vacuum fluorescent, 13 characters
Remote Interface	GPIB IEEE-488 and RS-232
Built In Digital Io	4-bit TTL compatible, maximum Vo 42 V with external pull-up
External Trigger Pulse Width	2 us minimum, TTL compatible
External Trigger Delay Max	2 ms
Switch Setting Extra Time	0 to 99999.999 s in 1 ms steps
Parser Open Close At 100	3 ms open, 3 ms close (N2266A reference)
Open Close Time 1 Channel N2266A	7.1 ms
Open Close Time 40 Channels N2266A	28.9 ms
Digital Io Block Transfer Rate	20 kbytes per second long word
Line Voltage	100 to 240 VAC universal input, 47 Hz to 63 Hz
Power Consumption	140 VA
Operating Temperature	0 C to 55 C; less than 80 percent RH from 0 C to 40 C

PARAMETER	VALUE
Storage Temperature	minus 40 C to +70 C
Operating Altitude	3000 m
Net Weight	7.4 kg
Dimensions	221.5 mm x 426 mm x 353.5 mm
Pollution Degree	2
Installation Category	II

Notes

Numeric rows from Agilent 3499A/B/C Mainframe's Specifications in the 3499A/B/C Service Manual and the Agilent 3499 family switching datasheet. 3499C power, weight, and dimensions differ from 3499A/B.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.