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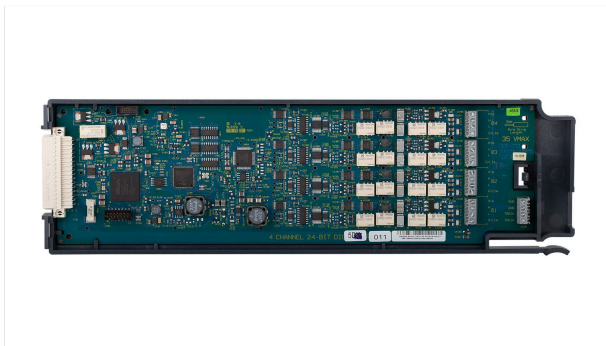
**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

# Agilent/Keysight DAQM909A

Agilent Keysight DAQM909A 4 Channel 24 Bit Digitizer Module The Keysight DAQM909A is a 4-channel simultaneous-sampling 24-bit digitizer plug-in for DAQ970A/DAQ973A. OEM tables list differential inputs, 800 kSa/s sampling, and 36 V peak input with autocalibration support for dynamic measurements. Simultaneous multi-channel waveform capture, vibration and transient logging, and time/frequency domain analysis with BenchVue DAQ. Four simultaneous differential digitizer channels The Keysight DAQM909A is a 4-channel simultaneous-sampling 24-bit digitizer plug-in for DAQ970A/DAQ973A. OEM tables list differential inputs, 800 kSa/s sampling, and 36 V peak input with autocalibration support for dynamic measurements. Simultaneous multi-channel waveform capture, vibration and transient logging, and time/frequency domain analysis with BenchVue DAQ. Four simultaneous differential digitizer channels Autocalibration with mainframe for drift compensation



MODEL

**Agilent / Keysight  
DAQM909A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**DAQM909A**

LISTING

<https://aumictechlabs.com/products/daqm909a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Keysight DAQM909A is a 4-channel simultaneous sampling digitizer module engineered for high-resolution dynamic data acquisition within Keysight DAQ970A and DAQ973A mainframes. It delivers 24-bit resolution across independent, programmable channels supporting differential and single-ended inputs up to 36 Vpk, with acquisition memory ranging from 16 MSa to 48 MSa per

channel. The module provides dual sampling modes: up to 100 kSa/s for frequency domain analysis and up to 800 kSa/s for time domain capture. Each channel incorporates a selectable IEPE current source delivering 2 mA to 4 mA for transducer excitation. Technical Specifications 4 simultaneous sampling channels with 24-bit resolution Sample rates: 100 kSa/s (frequency domain), 800 kSa/s (time domain) Selectable input range up to 36 Vpk Differential and single-ended input modes Acquisition memory: 16 MSa to 48 MSa per channel IEPE current source: 2 mA to 4 mA, selectable Transient voltage limit: 0 Vpk referenced to earth Key Features Independent channel programmability for input configuration and current source settings Multi-module synchronization across up to 12 channels when multiple DAQM909A units are installed in a single mainframe Parallel operation with other DAQ970A/DAQ973A plug-in modules Direct mainframe integration without external cabling or adapters Typical Applications Harmonic and noise distortion analysis Power analysis and characterization Acoustic measurement of electromechanical devices Multi-channel dynamic transducer signal acquisition Compatibility & Integration The DAQM909A plugs directly into Keysight DAQ970A and DAQ973A data acquisition systems. Multiple modules operate in parallel within a single mainframe, enabling synchronized data capture across expanded channel counts. Documentation includes user guides (English, French, Spanish), service and security guidance, and application-focused technical overviews.

# DAQM909A Characteristics / Specifications

| PARAMETER                                | VALUE                                              |
|------------------------------------------|----------------------------------------------------|
| Model                                    | DAQM909A                                           |
| Instrument Type                          | simultaneous sampling digitizer module             |
| Mainframe Compatibility                  | DAQ970A and DAQ973A                                |
| Channel Count                            | 4 differential                                     |
| Resolution                               | 24 bit                                             |
| Maximum Sample Rate                      | 800 kSa/s                                          |
| Maximum Input Voltage Peak               | 36 V                                               |
| Input Type                               | differential                                       |
| Sampling Mode                            | simultaneous                                       |
| Autocalibration                          | supported with mainframe                           |
| Form Factor                              | DAQ97 plug-in module                               |
| Slot Occupancy                           | 1 module slot                                      |
| Series Family                            | Keysight DAQM90x                                   |
| Related Modules                          | DAQM907A                                           |
| Maximum Simultaneous Channels Per System | 4 per module                                       |
| Operating Temperature Class              | 0 C to 55 C mainframe ambient                      |
| Power Source                             | powered by DAQ97 mainframe                         |
| Use Case                                 | dynamic digitizing                                 |
| Scan Memory Context                      | uses mainframe scanning memory                     |
| Display Integration                      | trend chart and histogram on mainframe GUI         |
| Bandwidth Class                          | digitizer bandwidth per OEM digitizer table        |
| Manufacturer                             | Keysight Technologies                              |
| Mainframe Max Sampling Rate Context      | 800 kSa/sec system class                           |
| Bandwidth                                | Class: digitizer bandwidth per OEM digitizer table |

| PARAMETER             | VALUE                                |
|-----------------------|--------------------------------------|
| Operating temperature | Class: 0 C to 55 C mainframe ambient |

# DAQM909A Specifications

| PARAMETER                                             | VALUE                                                                                       |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Four simultaneous differential digitizer channels     | 24-bit resolution at up to 800 kSa/s                                                        |
| Autocalibration with mainframe for drift compensation | 36 V peak input rating                                                                      |
| Technical Specifications                              | Model: DAQM909A                                                                             |
| Notes                                                 | Rows from Keysight DAQ970A/DAQ973A module overview for DAQM909A 4-channel 24-bit digitizer. |

# General Specifications & Supplementary Characteristics

| PARAMETER                           | VALUE                                                                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Operating temperature               | Class: 0 C to 55 C mainframe ambient                                                                                       |
| Operating Temperature               | Class: 0 C to 55 C mainframe ambient                                                                                       |
| Operating Temperature Class         | 0 C to 55 C mainframe ambient                                                                                              |
| Power Source                        | powered by DAQ97 mainframe                                                                                                 |
| Use Case                            | dynamic digitizing                                                                                                         |
| Scan Memory Context                 | uses mainframe scanning memory                                                                                             |
| Display Integration                 | trend chart and histogram on mainframe GUI                                                                                 |
| Bandwidth Class                     | digitizer bandwidth per OEM digitizer table                                                                                |
| Manufacturer                        | Keysight Technologies                                                                                                      |
| Mainframe Max Sampling Rate Context | 800 kSa/sec system class Notes Rows from Keysight DAQ970A/DAQ973A module overview for DAQM909A 4-channel 24-bit digitizer. |

# 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                                                                                       | DAQM909A                                    |
| Instrument Type                                                                             | simultaneous sampling digitizer module      |
| Mainframe Compatibility                                                                     | DAQ970A and DAQ973A                         |
| Channel Count                                                                               | 4 differential                              |
| Resolution                                                                                  | 24 bit                                      |
| Maximum Sample Rate                                                                         | 800 kSa/s                                   |
| Maximum Input Voltage Peak                                                                  | 36 V                                        |
| Input Type                                                                                  | differential                                |
| Sampling Mode                                                                               | simultaneous                                |
| Autocalibration                                                                             | supported with mainframe                    |
| Form Factor                                                                                 | DAQ97 plug-in module                        |
| Slot Occupancy                                                                              | 1 module slot                               |
| Series Family                                                                               | Keysight DAQM90x                            |
| Related Modules                                                                             | DAQM907A                                    |
| Maximum Simultaneous Channels Per System                                                    | 4 per module                                |
| Operating Temperature Class                                                                 | 0 C to 55 C mainframe ambient               |
| Power Source                                                                                | powered by DAQ97 mainframe                  |
| Use Case                                                                                    | dynamic digitizing                          |
| Scan Memory Context                                                                         | uses mainframe scanning memory              |
| Display Integration                                                                         | trend chart and histogram on mainframe GUI  |
| Bandwidth Class                                                                             | digitizer bandwidth per OEM digitizer table |
| Manufacturer                                                                                | Keysight Technologies                       |
| Mainframe Max Sampling Rate Context                                                         | 800 kSa/sec system class                    |
| Notes                                                                                       |                                             |
| Rows from Keysight DAQ970A/DAQ973A module overview for DAQM909A 4-channel 24-bit digitizer. |                                             |

### 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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NAICS 423690 · 811210 · 541380  
Generated August 15, 2026

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