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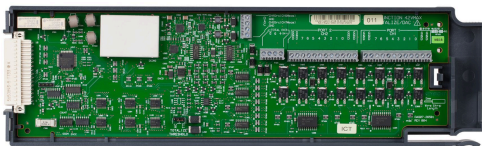
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight DAQM907A

Agilent Keysight DAQM907A Multifunction Module The Keysight DAQM907A multifunction plug-in for DAQ970A/DAQ973A combines digital I/O, event counting, and analog outputs. OEM tables list two 8-bit digital ports, a 26-bit event counter, and dual analog outputs to plus or minus 12 V with total output current budgeting per frame. Mixed discrete control, event timing, and low-level analog stimulus alongside multiplexer measurements in the same DAQ chassis. 26-bit event counter with selectable threshold The Keysight DAQM907A multifunction plug-in for DAQ970A/DAQ973A combines digital I/O, event counting, and analog outputs. OEM tables list two 8-bit digital ports, a 26-bit event counter, and dual analog outputs to plus or minus 12 V with total output current budgeting per frame. Mixed discrete control, event timing, and low-level analog stimulus alongside multiplexer measurements in the same DAQ chassis. 26-bit event counter with selectable threshold Autocalibration support with mainframe DMM



MODEL

**Agilent / Keysight
DAQM907A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DAQM907A

LISTING

<https://aumictechlabs.com/products/daqm907a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight DAQM907A is a multifunction I/O module designed for the DAQ970A and DAQ973A Data Acquisition Systems. It expands mainframe capabilities with dual 8-bit digital ports, a 26-bit gated totalizer input, and two configurable analog outputs - enabling precise control and monitoring across industrial, test, and measurement applications. All digital and event inputs

support continuous alarm evaluation independent of scan cycles.

Technical Specifications

Digital Input/Output

Two 8-bit digital input ports and two 8-bit digital output ports

Digital outputs control external devices: microwave switches, attenuators, solenoids, power relays, indicators

Digital inputs monitor limit switches and digital bus status

Switching voltage: 42 V

Output current rating: 400 mA

Simple read/write operation from front panel or bus - no handshake modes required

Totalizer Input

Gated totalizer, 100 kHz maximum frequency

26-bit resolution

Counts events from photo interrupters, limit switches, Hall-effect sensors

Maintains continuously updated total accessible via front panel or program

Runtime to overflow: approximately 45 minutes at full speed

TTL-threshold triggering; counts only when both terminals enabled

Includable in scan operations

Analog Outputs

Two independent analog outputs ± 12 V voltage mode or ± 24 mA current mode per output

16-bit resolution

Sources bias voltages, controls programmable power supplies, provides control setpoints

Two dedicated sensing channels for real-time monitoring of sourced voltage or current

Direct programming in volts or milliamps

Integration

Single earth-referenced module

Screw terminal connectivity

Compatible with Keysight DAQ970A and DAQ973A mainframes

Digital, totalizer, and sensing inputs integrate into system scans

Alarm limits continuously evaluated and logged independent of scan interval

Key Features

Flexible digital control: 16 total I/O lines for external device switching and status monitoring

Extended event counting: 26-bit totalizer eliminates frequent overflow in long-duration tests

Dual-mode analog sourcing: voltage and current outputs with integrated feedback sensing

Asynchronous alarm capture: digital and counter thresholds monitored continuously

Expandable within DAQ system architecture for multi-module configurations

Typical Applications

Process control and device switching in automated test systems

Event logging from mechanical sensors and digital transducers

Programmable voltage/current bias sourcing for component characterization

Industrial monitoring with continuous alarm detection and data logging

Compatibility & Integration

The DAQM907A integrates directly into Keysight DAQ970A and DAQ973A systems, inheriting their scanning and configuration flexibility. All inputs - digital, totalizer, and analog sensing - participate in programmed scans or operate independently for alarm monitoring.

DAQM907A Characteristics / Specifications

PARAMETER	VALUE
Model	DAQM907A
Instrument Type	multifunction module
Mainframe Compatibility	DAQ970A and DAQ973A
Digital Ports	2 times 8 bit open drain
Digital Port Voltage Max	42 V
Digital Port Current Max	400 mA
Event Counter Width	26 bit
Counter Input Voltage Max	42 V
Analog Outputs	2
Analog Output Range	plus or minus 12 V
Analog Output Current Per Channel Class	12 mA class OEM table
Total Analog Output Current Per Frame	40 mA maximum
Analog Output Resolution Class	16 to 18 bit class OEM table
Form Factor	DAQ97 plug-in module
Slot Occupancy	1 module slot
Series Family	Keysight DAQM90x
Autocalibration	supported with mainframe
Operating Temperature Class	0 C to 55 C mainframe ambient
Power Source	powered by DAQ97 mainframe
Use Case	digital IO counter and DAC
Related Modules	DAQM903A DAQM909A
Maximum Digital Bits Per System	up to 48 with multiple modules
Operating temperature	Class: 0 C to 55 C mainframe ambient

DAQM907A Specifications

PARAMETER	VALUE
Agilent Keysight DAQM907A Multifunction Module	Overview
Applications	Mixed discrete control, event timing, and low-level analog stimulus alongside multiplexer measurements in the same DAQ chassis.
Key Features	Dual 8-bit open-drain digital ports
Technical Specifications	Model: DAQM907A
Notes	Rows from Keysight DAQ970A/DAQ973A multifunction module comparison tables for DAQM907A.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 C to 55 C mainframe ambient
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Power Source	powered by DAQ97 mainframe
Use Case	digital IO counter and DAC
Related Modules	DAQM903A DAQM909A
Maximum Digital Bits Per System	up to 48 with multiple modules Notes Rows from Keysight DAQ970A/DAQ973A multifunction module comparison tables for DAQM907A.

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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30-day returns
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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.