

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

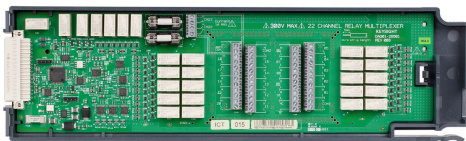
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight DAQM901A

Agilent Keysight DAQM901A 20 Channel Armature Multiplexer Module The Keysight DAQM901A is a 20-channel armature multiplexer plug-in for DAQ970A/DAQ973A with two additional fused current channels. OEM module tables list 80 channels per second scanning, 300 V switching, 1 A capability on current channels, and a built-in thermocouple reference junction. General-purpose 2-wire and 4-wire scanning of voltage resistance and thermocouples, plus direct AC/DC current measurement without external shunts. Twenty multiplexer channels plus two fused current inputs The Keysight DAQM901A is a 20-channel armature multiplexer plug-in for DAQ970A/DAQ973A with two additional fused current channels. OEM module tables list 80 channels per second scanning, 300 V switching, 1 A capability on current channels, and a built-in thermocouple reference junction. General-purpose 2-wire and 4-wire scanning of voltage resistance and thermocouples, plus direct AC/DC current measurement without external shunts. Twenty multiplexer channels plus two fused current inputs Mixed 2-wire and 4-wire channels on one module



MODEL

**Agilent / Keysight
DAQM901A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DAQM901A

LISTING

<https://aumictechlabs.com/products/daqm901a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight DAQM901A is a 20-channel solid-state multiplexer module for integration into DAQ970A and DAQ973A data acquisition mainframes. It delivers flexible multi-function switching

with scan rates up to 80 channels/second, supporting mixed 2-wire and 4-wire measurement configurations on the same module. The DAQM901A includes two dedicated, fused current measurement channels rated to 1 A for direct AC and DC current measurements without external shunt resistors, plus a built-in thermocouple reference junction for temperature acquisition.

Technical Specifications

Channel Configuration: 20-channel multiplexer (2/4-wire) plus 2 dedicated current measurement channels (22 channels total)

Switching Voltage: Up to 300 V

Scan Rate: Up to 80 channels/second

Current Measurement Channels: Two fused inputs, up to 1 A (AC/DC)

Input Connections: Screw terminals

Key Features

- Supports AC/DC voltage, AC/DC current, 2-wire and 4-wire resistance, and thermocouple temperature measurements
- Mixed measurement modes on a single module eliminate need for multiple cards
- Dedicated current channels eliminate external shunt resistor requirements
- Integrated reference junction simplifies thermocouple compensation
- Compact form factor as plug-in module for DAQ970A and DAQ973A mainframes

Typical Applications

- Multi-channel environmental and process monitoring
- Production test and characterization across voltage, current, and temperature domains
- General-purpose data logging requiring high-density switching
- Mixed measurement systems requiring both resistive and thermocouple sensing

Compatibility & Integration

The DAQM901A is a plug-in module designed exclusively for Keysight DAQ970A and DAQ973A data acquisition systems. It requires a compatible mainframe to operate.

Features & description

From manufacturer datasheet

Built-in cold junction reference for thermocouples

Armature relays for general purpose signal paths Compatible only with DAQ970A and DAQ973A mainframes Technical Specifications Model: DAQM901A Instrument Type: armature multiplexer module Mainframe Compatibility: DAQ970A and DAQ973A Channel Count Multiplexer: 20 Current Channels Fused: 2 Total Channels: 22 Relay Type: 2-wire armature 4-wire selectable Scan Rate: 80 channels per second Maximum Switching Voltage: 300 V Maximum Current Multiplex: 1 A Current Measurement Without Shunt: up to 1 A AC or DC Bandwidth: 10 MHz Thermocouple Reference: built-in cold junction Wiring Modes: two wire and four wire scanning Contact Configuration: 2 or 4 contacts per channel Isolation Path: routes to internal DMM analog bus Form Factor: DAQ97 plug-in module Operating Temperature Class: 0 C to 55 C mainframe ambient Series Family: Keysight DAQM90x Related Modules: DAQM900A DAQM902A DAQM908A Use Case: general purpose scanning Power Source: powered by DAQ97 mainframe Slot Occupancy: 1 module slot Notes Rows from Keysight DAQ970A/DAQ973A module overview tables and DAQM901A product listings. Exact relay life counts are in the user manual.

DAQM901A Characteristics / Specifications

PARAMETER	VALUE
Model	DAQM901A
Instrument Type	armature multiplexer module
Mainframe Compatibility	DAQ970A and DAQ973A
Channel Count Multiplexer	20
Current Channels Fused	2
Total Channels	22
Relay Type	2-wire armature 4-wire selectable
Scan Rate	80 channels per second
Maximum Switching Voltage	300 V
Maximum Current Multiplex	1 A
Current Measurement Without Shunt	up to 1 A AC or DC
Bandwidth	10 MHz
Thermocouple Reference	built-in cold junction
Wiring Modes	two wire and four wire scanning
Contact Configuration	2 or 4 contacts per channel
Isolation Path	routes to internal DMM analog bus
Form Factor	DAQ97 plug-in module
Operating Temperature Class	0 C to 55 C mainframe ambient
Series Family	Keysight DAQM90x
Related Modules	DAQM900A DAQM902A DAQM908A
Use Case	general purpose scanning
Power Source	powered by DAQ97 mainframe
Slot Occupancy	1 module slot
Operating temperature	Class: 0 C to 55 C mainframe ambient

DAQM901A Specifications

PARAMETER	VALUE
Armature relays for general purpose signal paths	Compatible only with DAQ970A and DAQ973A mainframes
Technical Specifications	Model: DAQM901A
Notes	Rows from Keysight DAQ970A/DAQ973A module overview tables and DAQM901A product listings. Exact relay life counts are in the user manual.

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
Series Family	Keysight DAQM90x
Related Modules	DAQM900A DAQM902A DAQM908A
Use Case	general purpose scanning
Power Source	powered by DAQ97 mainframe
Slot Occupancy	1 module slot Notes Rows from Keysight DAQ970A/DAQ973A module overview tables and DAQM901A product listings. Exact relay life counts are in the user manual.

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	DAQM901A
Instrument Type	armature multiplexer module
Mainframe Compatibility	DAQ970A and DAQ973A
Channel Count Multiplexer	20
Current Channels Fused	2
Total Channels	22
Relay Type	2-wire armature 4-wire selectable
Scan Rate	80 channels per second
Maximum Switching Voltage	300 V
Maximum Current Multiplex	1 A
Current Measurement Without Shunt	up to 1 A AC or DC
Bandwidth	10 MHz
Thermocouple Reference	built-in cold junction
Wiring Modes	two wire and four wire scanning
Contact Configuration	2 or 4 contacts per channel
Isolation Path	routes to internal DMM analog bus
Form Factor	DAQ97 plug-in module
Operating Temperature Class	0 C to 55 C mainframe ambient
Series Family	Keysight DAQM90x
Related Modules	DAQM900A DAQM902A DAQM908A
Use Case	general purpose scanning
Power Source	powered by DAQ97 mainframe
Slot Occupancy	1 module slot
Notes	
Rows from Keysight DAQ970A/DAQ973A module overview tables and DAQM901A product listings. Exact relay life counts are in the user manual.	

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 15, 2026

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