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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight DAQM902A

Agilent Keysight DAQM902A 16 Channel Reed Multiplexer Module The Keysight DAQM902A is a 16-channel reed multiplexer for DAQ970A/DAQ973A. OEM module comparison tables list reed relays, 250 channels per second scan rate, 300 V switching, and 50 mA channel current for high-throughput scanning. Fast multi-channel voltage and resistance scans where reed relay speed exceeds armature mux throughput. Mainframe Compatibility: DAQ970A and DAQ973A The Keysight DAQM902A is a 16-channel reed multiplexer for DAQ970A/DAQ973A. OEM module comparison tables list reed relays, 250 channels per second scan rate, 300 V switching, and 50 mA channel current for high-throughput scanning. Fast multi-channel voltage and resistance scans where reed relay speed exceeds armature mux throughput. Mainframe Compatibility: DAQ970A and DAQ973A Relay Type: 2-wire reed 4-wire selectable

**MODEL****Agilent / Keysight
DAQM902A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****DAQM902A****LISTING**<https://aumictechlabs.com/products/daqm902a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight DAQM902A is a 16-channel differential multiplexer module engineered for integration into Keysight DAQ970A and DAQ973A data acquisition mainframes. Built on reed relay switching technology, it delivers scanning rates up to 250 channels per second, enabling rapid automated testing, high-speed data logging, and continuous monitoring operations. The module supports both two-wire and four-wire measurement configurations with the ability to mix channel

types on a single card, providing measurement flexibility without requiring separate modules.

Technical Specifications 16-channel differential multiplexer with reed relay switching
Maximum scan rate: 250 channels/second Maximum voltage switching: 300 V Maximum current: 50 mA Closed channel resistance (2-wire, typical): 10 G Ω Channel-to-earth isolation: > 10 G Ω
Power rating: 2 W

Key Features Supports 2-wire and 4-wire scanning configurations on the same module High-speed reed relay switching for rapid channel scanning Built-in thermocouple reference junction for temperature measurement applications Current measurement capability via user-provided shunt resistors Low closed-channel resistance minimizes measurement errors Excellent channel isolation for signal integrity in multi-channel environments

Typical Applications Automated test systems requiring high-speed multiplexing, industrial data acquisition networks, temperature monitoring with thermocouple inputs, multi-channel voltage and resistance measurements, and laboratory test benches performing simultaneous measurements across numerous signal sources.

Compatibility & Integration The DAQM902A integrates directly into Keysight DAQ970A and DAQ973A mainframe units via modular slot architecture. Physical connector specifications and detailed integration guidance are found in the respective mainframe documentation.

DAQM902A Characteristics / Specifications

PARAMETER	VALUE
Model	DAQM902A
Instrument Type	reed multiplexer module
Mainframe Compatibility	DAQ970A and DAQ973A
Channel Count	16
Relay Type	2-wire reed 4-wire selectable
Scan Rate	250 channels per second
Maximum Switching Voltage	300 V
Maximum Channel Current	50 mA
Contact Configuration	2 or 4 contacts per channel
Wiring Modes	two wire and four wire
Form Factor	DAQ97 plug-in module
Slot Occupancy	1 module slot
Series Family	Keysight DAQM90x
Related Modules	DAQM900A DAQM901A DAQM908A
Bandwidth Class	reed mux class per OEM table
Isolation Path	routes to internal DMM analog bus
Operating Temperature Class	0 C to 55 C mainframe ambient
Power Source	powered by DAQ97 mainframe
Use Case	high speed scanning
Scan Advantage Versus Armature	higher ch/s than DAQM901A
Channel Density Versus Actuator	multiplexed vs independent switches
Maximum Channels With Three Modules	48
Manufacturer	Keysight Technologies
Bandwidth	Class: reed mux class per OEM table
Operating temperature	Class: 0 C to 55 C mainframe ambient

DAQM902A Specifications

PARAMETER	VALUE
High throughput versus armature modules	Single-slot DAQ97 plug-in
Technical Specifications	Model: DAQM902A
Notes	Rows from Keysight DAQ970A/DAQ973A plug-in module comparison tables for DAQM902A reed multiplexer.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 C to 55 C mainframe ambient
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Operating Temperature Class	0 C to 55 C mainframe ambient
Power Source	powered by DAQ97 mainframe
Use Case	high speed scanning
Scan Advantage Versus Armature	higher ch/s than DAQM901A
Channel Density Versus Actuator	multiplexed vs independent switches
Maximum Channels With Three Modules	48
Manufacturer	Keysight Technologies Notes Rows from Keysight DAQ970A/DAQ973A plug-in module comparison tables for DAQM902A reed multiplexer.

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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Notes	
Rows from Keysight DAQ970A/DAQ973A plug-in module comparison tables for DAQM902A reed multiplexer.	

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.