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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight DAQ973A

Agilent Keysight DAQ973A Data Acquisition System with GPIB The Keysight DAQ973A matches the DAQ970A 3-slot mainframe and built-in 6.5 digit DMM and adds a built-in GPIB interface alongside LAN and USB. OEM 5992-3177EN lists the same 0.003 percent basic DCV accuracy, 450 channel per second scan rate, and module ecosystem as DAQ970A. ATE racks needing GPIB plus LAN, multi-channel sensor logging, and migration from 34970A systems that require IEEE-488 control. Same modular switch and digitizer family as DAQ970A The Keysight DAQ973A matches the DAQ970A 3-slot mainframe and built-in 6.5 digit DMM and adds a built-in GPIB interface alongside LAN and USB. OEM 5992-3177EN lists the same 0.003 percent basic DCV accuracy, 450 channel per second scan rate, and module ecosystem as DAQ970A. ATE racks needing GPIB plus LAN, multi-channel sensor logging, and migration from 34970A systems that require IEEE-488 control. Same modular switch and digitizer family as DAQ970A 4.3 inch color GUI with trend and histogram views



MODEL

**Agilent / Keysight
DAQ973A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DAQ973A

LISTING

<https://aumictechlabs.com/products/daq973a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight DAQ973A is a versatile and data acquisition system mainframe designed for precision measurements and automated testing. It features a 6.5-digit internal digital multimeter (DMM) with auto-calibration, a 3-slot mainframe architecture supporting a wide array of plug-in

modules, and multiple interface options for seamless integration into diverse test environments. This system is engineered for reliability and accuracy, making it suitable for demanding applications in electronics testing, research and development, and industrial process monitoring.

Technical Specifications

System Architecture & Performance:

- Mainframe Slots: 3
- Internal DMM Resolution: 6.5 digits (22-bit)
- Basic DCV Accuracy: 0.003%
- Maximum Scanning Speed: Up to 450 channels/second (with solid-state multiplexer module)
- Maximum Sampling Rate (Digitizer Module): Up to 800 kSa/s (with DAQM909A module)

Measurement Capabilities (Internal DMM):

- Measures and converts 12 to 14 different input signals including:
 - * Temperature (thermocouples, RTDs, thermistors)
 - * DC/AC Volts
 - * 2- and 4-wire Resistance
 - * Frequency and Period
 - * DC/AC Current (including very low ranges: 1 μ A DC and 100 μ A AC)
 - * Capacitance
 - * Diode Test
 - * Direct Strain and Bridge Strain
- Higher Resistance Measurement: Up to 1000 M Ω
- Non-Volatile Memory: 100k readings for data retention when power is removed
- Alarm Limits: Hi/Lo alarm limits on each channel, plus 4 TTL alarm outputs
- Auto-Calibration: Compensates for internal drifts due to time and temperature changes
- Internal Module Calibration: Reduces thermal voltage offset errors

Maximum System Channels: Up to 120 channels per system (depending on modules)

Maximum Matrix Cross Points: Up to 96

Maximum RF Channels: Up to 24 channels, 2 GHz (with specific modules)

Simultaneous Sampling (DAQM909A module): Up to 12 channels, 24-bit resolution, up to 800 kSa/s

Electrical:

- AC Mains Input: 100 - 240 Vac $\pm$ 10%, 50/60/400 Hz
- Maximum Input Voltage: 300 V
- Maximum Current: 1 A
- Analog Output (with specific modules): -10 V to +10 V, 20 mA
- Digital Input/Output (with specific modules): Up to 48-bits

Interfaces:

- Primary Interfaces: USB, LAN (LXI), GPIB
- Web Interface: Graphical web interface accessible via standard web browser for configuration and monitoring
- USB Flash Drive Support: For standalone data logging and copying/logging data

Keysight BenchVue DAQ Software: Intuitive interface for test configuration, real-time data display, and analysis

External Trigger Input: Available

Alarm Outputs: 4 TTL alarm outputs

Channel Advance Input: Available

Channel Close Output: Available

Physical: Dimensions: 103.7 mm (H) x 261 mm (W) x 378 mm (D)

Weight: 4.2 kg

Display: Large 4.3" color display with intuitive graphical interface and soft keys

Compatibility:

- Module Compatibility: Compatible with DAQM900A, DAQM901A, DAQM902A, DAQM903A, DAQM904A, DAQM905A, DAQM907A, DAQM908A, DAQM909A, DAQM910A plug-in modules
- Legacy System Compatibility: Program and configuration compatible with 34970A/34972A

Plug-in Modules (Examples):

- DAQM900A: 20-channel solid-state multiplexer (up to 450 channels/sec)
- DAQM901A: 20-channel armature multiplexer (+ 2 current channels)
- DAQM902A: 16-channel reed multiplexer
- DAQM903A: 20-channel actuator/GP switch
- DAQM904A: 4 $\times$ 8 matrix module
- DAQM905A: Dual 4-channel 50 Ω RF mux
- DAQM907A: Multifunction module (16-bit DI/O, 100 kHz totalizer, analog outputs)
- DAQM908A: 40-channel armature multiplexer
- DAQM909A: 4-channel 24-bit simultaneous sampling digitizer module (up to 800 kSa/s)
- DAQM910A: Low voltage 20-channel armature multiplexer

Why Choose Aumictech for Keysight DAQ973A? At Aumictech, we specialize in supplying high-end data acquisition equipment. Whether you need precision measurement capabilities, scalable multi-channel scanning, or seamless integration with your existing test infrastructure, our team ensures the Keysight DAQ973A delivers maximum performance for your application.

Features & description

From manufacturer datasheet

Built-in GPIB in addition to LAN and USB

Same modular switch and digitizer family as DAQ970A 4.3 inch color GUI with trend and histogram views USB flash drive standalone logging 34970A/34972A SCPI code compatibility Technical Specifications Model: DAQ973A Instrument Type: data acquisition mainframe with built-in DMM and GPIB Slot Count: 3 plug-in module slots DMM Resolution: 6.5 digits 22 bits Basic DCV Accuracy: 0.003 percent Maximum Scan Rate: 450 channels per second Maximum Channels Per System: 120 Scanning Memory: up to 1 million points Display Size: 4.3 inch color LCD Interfaces: Gigabit LAN USB 2.0 GPIB graphic web Front USB Host: USB flash drive copy and log Measurement Functions: temperature dc/ac volts resistance frequency period current diode capacitance strain Thermocouple Support: thermocouple RTD and thermistor Low Current Range DC: 1 uA Low Current Range AC: 100 uA High Resistance Range: 1000 MOhm Maximum Multiplex Channels One Wire: 120 Maximum Multiplex Channels Two Wire: 60 Maximum Matrix Crosspoints: 96 Maximum General Purpose Switches: 60 Maximum RF Multiplex Channels: 24 channels to 2 GHz Maximum Digital IO Bits: 48 Analog Output Range: minus 10 V to plus 10 V 20 mA Compatible Modules: DAQM900A through DAQM910A family

DAQ973A Characteristics / Specifications

PARAMETER	VALUE
Model	DAQ973A
Instrument Type	data acquisition mainframe with built-in DMM and GPIB
Slot Count	3 plug-in module slots
DMM Resolution	6.5 digits 22 bits
Basic DCV Accuracy	0.003 percent
Maximum Scan Rate	450 channels per second
Maximum Channels Per System	120
Scanning Memory	up to 1 million points
Display Size	4.3 inch color LCD
Interfaces	Gigabit LAN USB 2.0 GPIB graphic web
Front USB Host	USB flash drive copy and log
Measurement Functions	temperature dc/ac volts resistance frequency period current diode capacitance strain
Thermocouple Support	thermocouple RTD and thermistor
Low Current Range DC	1 uA
Low Current Range AC	100 uA
High Resistance Range	1000 MOhm
Maximum Multiplex Channels One Wire	120
Maximum Multiplex Channels Two Wire	60
Maximum Matrix Crosspoints	96
Maximum General Purpose Switches	60
Maximum RF Multiplex Channels	24 channels to 2 GHz
Maximum Digital IO Bits	48
Analog Output Range	minus 10 V to plus 10 V 20 mA
Compatible Modules	DAQM900A through DAQM910A family
Form Factor	benchtop 3 slot mainframe

PARAMETER	VALUE
Series Family	Keysight DAQ970A/DAQ973A

DAQ973A Specifications

PARAMETER	VALUE
Applications	ATE racks needing GPIB plus LAN, multi-channel sensor logging, and migration from 34970A systems that require IEEE-488 control.
Same modular switch and digitizer family as DAQ970A	4.3 inch color GUI with trend and histogram views
USB flash drive standalone logging	34970A/34972A SCPI code compatibility
Technical Specifications	Model: DAQ973A
Notes	Numeric rows from Keysight DAQ970A/DAQ973A product fact sheet 5992-3177EN. DAQ973A differs from DAQ970A by adding built-in GPIB.

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

Numeric rows from Keysight DAQ970A/DAQ973A product fact sheet 5992-3177EN. DAQ973A differs from DAQ970A by adding built-in GPIB.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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Aumictech

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NIST-traceable calibration · SAM registered ·
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.