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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa MV2000 Portable Paperless Recorder

Yokogawa MV2000 Portable Paperless Recorder Family The Yokogawa MV2000 (MVAdvanced) is a portable paperless data recorder family with a 10.4-inch TFT color LCD (640 x 480), up to 48 isolated input channels (model-dependent: 8/10/20/30/40/48), and 200 MB internal memory for long-duration logging. Inputs include DC voltage, thermocouple, RTD, DI, and DC current (external shunt). External CF and USB media, Ethernet/USB/RS-232 communications, and Modbus/Web/FTP network functions support field and lab multi-point recording. Sub-models include MV2008 (fast 8 ch) and MV2010 (10 ch, 1 s class). The Yokogawa MV2000 (MVAdvanced) is a portable paperless data recorder family with a 10.4-inch TFT color LCD (640 × 480), up to 48 isolated input channels (model-dependent: 8/10/20/30/40/48), and 200 MB internal memory for long-duration logging. Inputs include DC voltage, thermocouple, RTD, DI, and DC current (external shunt). External CF and USB media, Ethernet/USB/RS-232 communications, and Modbus/Web/FTP network functions support field and lab multi-point recording. Sub-models include MV2008 (fast 8 ch) and MV2010 (10 ch, 1 s class). On-site multi-channel temperature/voltage/current recording; portable DAQ for process trials; long-term unmanned logging to internal/CF/USB media; networked paperless recording with FTP/Web/Modbus.



MODEL

**Yokogawa
MV2000**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MV2000

LISTING

<https://aumictechlabs.com/products/mv2000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa MV2000 Portable Paperless Recorder is a data acquisition instrument for industrial, laboratory, and test stand environments. This 10.4-inch TFT color LCD unit captures up to 48 input channels natively, expandable to 348 channels via external DAQMASTER Series MW100 hardware. It accepts thermocouples (18 types), RTDs (12 types), DC voltage (± 50 V), contact inputs, and universal inputs, with optional extended input types available. The MV2000 delivers measurement intervals from 25 ms (high-speed mode) to 120 s (normal mode), with A/D integration times of 16.7 ms or faster in normal operation and 1.67 ms in fast sampling mode.

Technical Specifications

Input Channels: Up to 48 native; expandable to 348 channels with external hardware

Input Types: Thermocouple (18 types), RTD (12 types), DC voltage (± 50 V), contact, and universal inputs

Sampling Rate: Normal mode from 1 s to 120 s; high-speed mode minimum 25 ms per channel

A/D Integration Time: 16.7 ms (normal mode), 1.67 ms (fast sampling mode)

Internal Memory: 200 MB or 400 MB (selectable)

External Storage: Compact Flash cards (up to 1 GB) and USB memory drives

Data Retention: Approximately 70 days (200 MB, 12 channels, 1 s intervals); 148 days (400 MB, 12 channels, 1 s intervals)

Data Formats: Secure binary and text (.txt)

Display: 10.4-inch TFT color LCD, 640 × 480 pixels resolution

Input Isolation: 1000 VAC withstand voltage across insulated channels

Power Supply: AC (90–132 VAC or 180–250 VAC, 50/60 Hz $\pm 1\%$), DC (12 VDC or 24 VDC), or battery (up to 13 hours operation)

Dimensions: 307 mm (W) × 273 mm (H) × 254 mm (D)

Weight: Approximately 5.6 kg (aluminum construction, 20% lighter than previous models)

Key Features

- High common mode noise rejection via isolated channel inputs
- Solid-state relay switching with high breakdown voltage
- Wide-angle display with brightness adjustment and screen saver
- Dual power input options for field and laboratory deployment

Typical Applications

Process monitoring, thermal testing, multi-point temperature logging, and extended industrial data acquisition in remote or laboratory environments.

Compatibility & Integration

Integrates with DAQMASTER Series MW100 external hardware for channel expansion and supports standard storage media (CF cards, USB) for data transfer to analysis software.

Features & description

From manufacturer datasheet

Features

- Family up to 48 isolated channels

MV2000 Characteristics / Specifications

PARAMETER	VALUE
Model	MV2000 (family)
Manufacturer	Yokogawa
Instrument Type	Portable paperless recorder / data acquisition station
Display	10.4-inch TFT color LCD, 640 × 480
Channel Counts Available	8, 10, 20, 30, 40, or 48
Internal Memory	200 MB
Memory Example	about 75-day continuous 12-ch at 1 s interval class
External Media	CF card; USB memory
DC Voltage Ranges	20, 60, 200 mV; 2, 6, 20, 50 V; 1-5 V
Thermocouple Types	R, S, B, K, E, J, T, N, W, L, U, WRe
RTD Types	Pt100, JPt100 DI: Contact or TTL level
DCA	DC current with external shunt resistor
Input Method	Floating unbalanced; isolated between channels (RTDbcommon)
A/D Resolution	+/-20000 (16-bit A/D class)
Display Groups	36 groups; up to 10 channels per group
Dimensions	307 × 273 × 260 mm (about 12.1 × 10.7 × 10.2 in)
Weight Class	about 5.6 kg (12.3 lb) for high-channel models
Power Supply Options	100 VAC / 240 VAC; 12 VDC option class
Communications	USB; RS-232; Ethernet
Network Functions Class	Web server; FTP; SNTP; DHCP; Modbus; email
Alias	MV2000; MVAdvanced MV2000
Related Compact Family	MV1000 (up to 24 ch, 5.5-inch display) Notes Specs from Yokogawa MV1000/MV2000 (MVAdvanced) bulletin. Confirm exact sub-model channel count and sampling options (MV2008 vs MV2010 etc.) on the unit.
Inputs	DCV, TC, RTD, DI, DCA (shunt)

MV2000 Specifications

PARAMETER	VALUE
Yokogawa MV2000 Portable Paperless Recorder Family	Overview
Key Features	- Family up to 48 isolated channels
Technical Specifications	Model: MV2000 (family)

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

Specs from Yokogawa MV1000/MV2000 (MVAdvanced) bulletin. Confirm exact sub-model channel count and sampling options (MV2008 vs MV2010 etc.) on the unit.

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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NIST-traceable calibration · SAM registered ·
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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.