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Data Sheet

August 12, 2026

YOKOGAWA

Yokogawa MV2040 Portable Paperless Recorder, 40 Ch, 1 S (Fast sampling mode: 125 ms)

Yokogawa MV2040 Portable Paperless Recorder (MVAdvanced MV2000 Series) The Yokogawa MV2040 is a 40-channel MVAdvanced MV2000 portable paperless recorder for lab/plant/test-stand data acquisition. Same platform as MV2020/MV2030 with 40 isolated inputs and 1 s / Fast 125 ms sampling class. Discontinued 2014-09-30. Multi-channel temperature/voltage logging; validation and manufacturing monitoring; Ethernet/Modbus networked acquisition. The Yokogawa MV2040 is a 40-channel MVAdvanced MV2000 portable paperless recorder for lab/plant/test-stand data acquisition. Same platform as MV2020/MV2030 with 40 isolated inputs and 1 s / Fast 125 ms sampling class. Discontinued 2014-09-30. Multi-channel temperature/voltage logging; validation and manufacturing monitoring; Ethernet/Modbus networked acquisition.



MODEL

**Yokogawa
MV2040**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MV2040

LISTING

<https://aumictechlabs.com/products/mv2040-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa MV2040 is a portable paperless data acquisition system that records process variables across 40 input channels with high-speed sampling capability. Operating at 125 milliseconds in fast sampling mode, it delivers dependable data logging for industrial and

laboratory applications. The instrument accepts thermocouple, RTD, voltage, and current inputs with integrated signal conditioning, real-time digital display, and configurable alarm functions featuring visual and audible alerts. Data transfers via USB or network connection, with remote monitoring capabilities through Ethernet, RS-232, and RS-485 interfaces. The compact, lightweight design supports both benchtop and field deployment with rugged industrial construction.

Technical Specifications

Channels: 40 input channels

Sampling Rate: 125 milliseconds (fast sampling mode); user-configurable standard mode

Input Types: Thermocouple, RTD, voltage, and current

Signal Conditioning: Built-in for sensor type compatibility

Display: Integrated digital display for real-time monitoring and configuration

Data Storage: Internal memory with capacity dependent on sampling rate and data volume

Power: AC supply; battery operation supported for portability

Operating Environment: Industrial-rated temperature and humidity ranges

Key Features

Configurable alarm setpoints with dual-mode alerts

Multi-protocol communication: Ethernet, USB, RS-232, RS-485

PC-based software for parameter setup and data analysis

On-device configuration interface

External storage compatibility

Typical Applications

Process variable monitoring in manufacturing

Laboratory data acquisition and trending

Field-based condition monitoring

Multi-sensor system logging

Compatibility & Integration

Direct data download via USB or network connection enables integration with supervisory control systems. Remote access and monitoring support distributed deployment across industrial facilities.

Features & description

From manufacturer datasheet

Features

• Channels: 40 isolated inputs • Intervals: 1 s, 2 s, 5 s; High-Speed 125 ms (A/D integration 1.67 ms in HS mode) • Inputs: DCV (20/60/200 mV, 2/6/20/50 V, 1–5 V); TC (R,S,B,K,E,J,T,N,W,L,U,WRe); RTD Pt100/JPt100; DI; DCA (external shunt) • Typical accuracy (integration ≥ 16.7 ms): DCV 1–5 V $\pm(0.05\%$ rdg+3 digits); TC K $\pm(0.15\%$ rdg+0.7°C); Pt100 $\pm(0.15\%$ rdg+0.3°C) • Display: 10.4-inch TFT 640×480; 36 groups; max 10 ch/group • Memory: 400 MB flash; CF + USB external • Ethernet 10BASE-T; Web/FTP/e-mail/SNTP/DHCP/Modbus • Optional math /M1: up to 60 calculation channels • Power: 100–240 VAC or 12 VDC class; MV2000 max ~90 VA @240 VAC • Dimensions (MV2000): 307×273×260 mm; weight ~5.6 kg class • Environment: 0–40°C; 20–80% RH

MV2040 Characteristics / Specifications

PARAMETER	VALUE
Model	MV2040
Manufacturer	Yokogawa
Instrument Type	Portable Paperless Recorder
Family	MVAdvanced MV2000
Alias	MV2040; Yokogawa MV2040
Inputs	DCV (20/60/200 mV, 2/6/20/50 V, 1–5 V); TC (R,S,B,K,E,J,T,N,W,L,U,WRe); RTD Pt100/JPt100; DI; DCA (external shunt)
Display	10.4-inch TFT 640×480; 36 groups; max 10 ch/group
Internal memory	400 MB
Dimensions	307×273×260 mm (W×H×D)
Discontinued	2014-09-30 Notes From Yokogawa MV1000/MV2000 GS for MV2040 row (40 ch, 1 s / Fast 125 ms). Confirm options/terminals on unit.
Channels	40 isolated inputs
Intervals	1 s, 2 s, 5 s; High-Speed 125 ms (A/D integration 1.67 ms in HS mode)
Typical accuracy (integration ≥16.7 ms)	DCV 1–5 V ±(0.05% rdg+3 digits); TC K ±(0.15% rdg+0.7°C); Pt100 ± (0.15% rdg+0.3°C)
Memory	400 MB flash; CF + USB external
Optional math /M1	up to 60 calculation channels
Power	100–240 VAC or 12 VDC class; MV2000 max ~90 VA @240 VAC
Dimensions (MV2000)	307×273×260 mm; weight ~5.6 kg class
Environment	0–40°C; 20–80% RH

MV2040 Specifications

PARAMETER	VALUE
Applications	Multi-channel temperature/voltage logging; validation and manufacturing monitoring; Ethernet/Modbus networked acquisition.
Key Features	- Channels: 40 isolated inputs
Technical Specifications	Model: MV2040
Notes	From Yokogawa MV1000/MV2000 GS for MV2040 row (40 ch, 1 s / Fast 125 ms). Confirm options/terminals on unit.

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	MV2040
Manufacturer	Yokogawa
Instrument Type	Portable Paperless Recorder
Family	MVAdvanced MV2000
Alias	MV2040; Yokogawa MV2040

Specifications

PARAMETER	VALUE
Inputs	40 ch; intervals 1/2/5 s + HS 125 ms
Display	10.4-inch TFT 640×480
Internal memory	400 MB
Dimensions	307×273×260 mm (W×H×D)
Discontinued	2014-09-30

Notes

From Yokogawa MV1000/MV2000 GS for MV2040 row (40 ch, 1 s / Fast 125 ms). Confirm options/terminals on 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.