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Data Sheet

August 12, 2026

YOKOGAWA

Yokogawa MV2030 Portable Paperless Recorder, 30 Ch, 1 S (Fast sampling mode: 125 ms)

Instrument Type: Portable Paperless Recorder / Data Logger Alias: MV2030; Yokogawa MV2030; MV2000 30-channel Measurement intervals: 1 s, 2 s, 5 s; High-Speed mode 125 ms A/D integration (High-Speed): 1.67 ms fixed Alias: MV2030; Yokogawa MV2030; MV2000 30-channel Measurement intervals: 1 s, 2 s, 5 s; High-Speed mode 125 ms A/D integration (High-Speed): 1.67 ms fixed Input types: DCV, TC, RTD, DI, DCA (external shunt)



MODEL

**Yokogawa
MV2030**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MV2030

LISTING

<https://aumictechlabs.com/products/mv2030-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa MV2030 is a 30-channel portable paperless recorder engineered for industrial and laboratory data acquisition. It captures process parameters at 1 second sampling in standard mode or 125 ms in fast mode, with A/D integration time of 1.67 ms during fast sampling. The instrument accepts universal inputs DC voltage, thermocouple, RTD, and contact signals - across all channels, supporting thermocouple types R, S, B, K, E, J, T, N, W, and L.A color LCD display renders real-time data in multiple trend formats (vertical, horizontal, horizontal wide, separated horizontal) with 1 second update rate. Internal memory provides 400 MB standard capacity, expandable via optional 80 MB or 200 MB selections at order time. External storage via Compact

Flash cards (up to 1 GB) and USB drives enables extended logging. Data conversion to MS-Excel, text, Lotus 1-2-3, or ASCII formats supports downstream analysis. The included viewer software displays and prints waveforms on PC. Snapshot capability archives screen images to CF card. Setup data saves and loads in binary format. A/D converter employs PWM technology with calibration data retained in EEPROM. Technical Specifications Channels: 30 input channels Sampling Rate: 1 second (normal mode); 125 ms or 250 ms (fast sampling mode) A/D Integration Time: 1.67 ms (fast mode); 16.7 ms or more (standard mode) A/D Converter: PWM type with EEPROM calibration storage Internal Memory: 400 MB standard; 80 MB or 200 MB selectable at order External Storage: Compact Flash cards (up to 1 GB), USB drives Display: Color LCD, high-resolution; tag display 16 characters max; message display 32 characters max; display update rate 1 second Input Signal Types: DC voltage, thermocouple (R, S, B, K, E, J, T, N, W, L), RTD, contact/TTL Key Features Multiple trend display formats: vertical, horizontal, horizontal wide, separated horizontal Historical data review from internal or external memory Data export to multiple formats (Excel, text, Lotus 1-2-3, ASCII) Snapshot function for screen capture to CF card Manual save of data files to internal memory Custom display arrangement capability Typical Applications Process monitoring, system validation, troubleshooting, and transient event capture in industrial control, HVAC systems, manufacturing environments, and laboratory testing. Compatibility & Integration Data files load from CF cards or USB memory. PC viewer software enables remote analysis and archival. Setup configurations transfer via binary file format.

Features & description

From manufacturer datasheet

Features

- Measurement channels: 30 isolated input channels (MV2030 model code) • Measurement intervals (normal): 1 s, 2 s, 5 s • Fast sampling (High-Speed) mode: 125 ms; A/D integration fixed at 1.67 ms in High-Speed mode • Input types: 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 (contact or TTL); DCA with external shunt • Typical accuracy examples (A/D integration ≥ 16.7 ms): DCV 1–5 V $\pm(0.05\%$ of rdg + 3 digits), 1 mV; TC Type K $\pm(0.15\%$ of rdg + 0.7 °C), 0.1 °C (excl. RJC); RTD Pt100 $\pm(0.15\%$ of rdg + 0.3 °C), 0.1 °C • Display: 10.4-inch TFT color LCD, 640 × 480 dots; up to 36 display groups; max 10 channels per group • Internal memory: 400 MB flash; CompactFlash and USB external media • Ethernet 10BASE-T with Web/FTP/e-mail/SNTP/DHCP/Modbus • Optional math (/M1): up to 60 calculation channels on
- MV2010/MV2020/MV2030/MV2040/MV2048 class • Clock accuracy: ± 10 ppm (excludes <1 s power-on delay) • Power: 100–240 VAC class or 12 VDC option class; MV2000 max power examples up to 90 VA (240 VAC) • Dimensions (MV2000 family): 307 (W) × 273 (H) × 260 (D) mm; weight approx. 5.6 kg class (MV2048 reference) • Operating environment: 0 to 40 °C; 20 to 80% RH (at 5 to 40 °C)

MV2030 Characteristics / Specifications

PARAMETER	VALUE
Model	MV2030
Manufacturer	Yokogawa
Instrument Type	Portable Paperless Recorder / Data Logger
Family	MVAdvanced MV1000/MV2000
Alias	MV2030; Yokogawa MV2030; MV2000 30-channel Inputs / Measurement
Number of inputs	30 channels
Measurement intervals	1 s, 2 s, 5 s; High-Speed mode 125 ms
Input types	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 (contact or TTL); DCA with external shunt
Channel isolation	DC voltage and thermocouple inputs channel-isolated (RTD isolation optional on some models)
Typical DCV	5 V accuracy: $\pm(0.05\%$ of reading + 3 digits); display resolution 1 mV (integration ≥ 16.7 ms)
Typical TC TypeK accuracy	$\pm(0.15\%$ of reading + 0.7 °C); resolution 0.1 °C (does not include RJC accuracy)
Typical RTD Pt100 accuracy	$\pm(0.15\%$ of reading + 0.3 °C); resolution 0.1 °C Display
Device	10.4-inch TFT color LCD
Resolution	640 × 480 dots
Display groups	36; up to 10 channels per group
Digital display update	1 s
LCD screensaver	dim/OFF after 1, 2, 5, 10, 30 min, or 1 hour idle Memory / Communications
Internal flash memory	400 MB
External media	CompactFlash; USB memory
Ethernet	10BASE-T; TCP/UDP/IP/ICMP/ARP/DHCP/HTTP/FTP/SMTP/SNTP/Modbus + MV dedicated Optional serial RS-232 (/C2) or RS-422/485 (/C3); alarm

PARAMETER	VALUE
	relays /A1-/A4; math /M1; external input /MC1 Power / Mechanical / Environment
AC rated	100 to 264 VAC; operating 90–132 / 180–264 VAC; 50/60 Hz ±2%
DC option class	12 VDC (10.0–28.8 VDC operating)
MV2000 power consumption examples	100 VAC 28/40/65 VA; 240 VAC 38/54/90 VA; 12 VDC 9/18/35 VA (screensaver/normal/max)
External dimensions (MV2000)	307 × 273 × 260 mm (W×H×D)
Weight (family reference MV2048)	approx. 5.6 kg
Ambient temperature	0 to 40 °C
Ambient humidity	20 to 80% RH (5 to 40 °C) Lifecycle
Discontinued	2014-09-30 (Yokogawa Americas discontinued product notice) Notes Numeric specs from Yokogawa MVAdvanced MV1000/MV2000 brochure/GS for the MV2030 row (30 ch, 1 s / Fast 125 ms). Confirm terminals, power code, language, and options from the order code and unit label. Differentiates from MV2020 (20 ch) and MV2040/MV2048 (40/48 ch) by channel count only within the same sampling class.
Measurement channels	30 isolated input channels (MV2030 model code)
Measurement intervals (normal)	1 s, 2 s, 5 s
Fast sampling (High-Speed) mode	125 ms; A/D integration fixed at 1.67 ms in High-Speed mode
Typical accuracy examples (A/D integration ≥16.7 ms)	DCV 1–5 V ±(0.05% of rdg + 3 digits), 1 mV; TC Type K ±(0.15% of rdg + 0.7 °C), 0.1 °C (excl. RJC); RTD Pt100 ±(0.15% of rdg + 0.3 °C), 0.1 °C
Display	10.4-inch TFT color LCD, 640 × 480 dots; up to 36 display groups; max 10 channels per group
Internal memory	400 MB flash; CompactFlash and USB external media
Optional math (/M1)	up to 60 calculation channels on MV2010/MV2020/MV2030/MV2040/MV2048 class
Clock accuracy	±10 ppm (excludes <1 s power-on delay)
Power	100–240 VAC class or 12 VDC option class; MV2000 max power examples up to 90 VA (240 VAC)
Dimensions (MV2000 family)	307 (W) × 273 (H) × 260 (D) mm; weight approx. 5.6 kg class (MV2048 reference)
Operating environment	0 to 40 °C; 20 to 80% RH (at 5 to 40 °C)
Humidity	20 to 80% RH (5 to 40 °C)

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	MV2030
Manufacturer	Yokogawa
Instrument Type	Portable Paperless Recorder / Data Logger
Family	MVAdvanced MV1000/MV2000
Alias	MV2030; Yokogawa MV2030; MV2000 30-channel
Inputs / Measurement	
Number of inputs: 30 channels	
Measurement intervals: 1 s, 2 s, 5 s; High-Speed mode 125 ms	
A/D integration (High-Speed): 1.67 ms fixed	
Input types: DCV, TC, RTD, DI, DCA (external shunt)	
Channel isolation: DC voltage and thermocouple inputs channel-isolated (RTD isolation optional on some models)	
Typical DCV 1–5 V accuracy: ±(0.05% of reading + 3 digits); display resolution 1 mV (integration ≥16.7 ms)	
Typical TC TypeKaccuracy: ±(0.15% of reading + 0.7 °C); resolution 0.1 °C (does not include RJC accuracy)	
Typical RTD Pt100 accuracy: ±(0.15% of reading + 0.3 °C); resolution 0.1 °C	
Display	
Specifications	
PARAMETER	VALUE
Device	10.4-inch TFT color LCD
Resolution	640 × 480 dots
Display groups	36; up to 10 channels per group
Digital display update	1 s
LCD screensaver	dim/OFF after 1, 2, 5, 10, 30 min, or 1 hour idle
Memory / Communications	
Specifications	
PARAMETER	VALUE
Internal flash memory	400 MB
External media	CompactFlash; USB memory
Ethernet	10BASE-T; TCP/UDP/IP/ICMP/ARP/DHCP/HTTP/FTP/SMTP/SNTP/Modbus + MV dedicated

Optional serial RS-232 (/C2) or RS-422/485 (/C3); alarm relays /A1-/A4; math /M1; external input /MC1
Power / Mechanical / Environment

Power / Mechanical / Environment

PARAMETER	VALUE
AC rated	100 to 264 VAC; operating 90-132 / 180-264 VAC; 50/60 Hz ±2%
DC option class	12 VDC (10.0-28.8 VDC operating)
MV2000 power consumption examples	100 VAC 28/40/65 VA; 240 VAC 38/54/90 VA; 12 VDC 9/18/35 VA (savesaver/normal/max)
External dimensions (MV2000)	307 × 273 × 260 mm (W×H×D)
Weight (family reference MV2048)	approx. 5.6 kg
Ambient temperature	0 to 40 °C
Ambient humidity	20 to 80% RH (5 to 40 °C)

Lifecycle
Discontinued: 2014-09-30 (Yokogawa Americas discontinued product notice)

Notes
Numeric specs from Yokogawa MVAdvanced MV1000/MV2000 brochure/GS for the MV2030 row (30 ch, 1 s / Fast 125 ms). Confirm terminals, power code, language, and options from the order code and unit label. Differentiates from MV2020 (20 ch) and MV2040/MV2048 (40/48 ch) by channel count only within the same sampling class.

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.