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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa MV112-1-2-1D

Yokogawa Data Acquisition Systems (DAQ). Accuracy: $\pm(0.2\%$ of reading + 4°C) for R.



MODEL

Yokogawa MV112-1-2-1D

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MV112-1-2-1D

LISTING

<https://aumictechlabs.com/products/mv112-1-2-1d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa MV112-1-2-1D is a 12-channel portable data acquisition unit within the MV100 MobileCorder series, engineered for real-time measurement and logging of mixed sensor inputs. The system accepts DC voltages, thermocouples, RTDs, and digital inputs on a single platform, with data displayed on a 5.5-inch wide-viewing-angle color LCD. Modular architecture enables flexible channel configuration for diverse industrial and laboratory applications requiring synchronized multi-parameter acquisition. Technical Specifications Measurement Channels & Performance 12 measurement channels with simultaneous computation support (up to 12 channels) Measurement interval: 1 second standard; 2 seconds at 100 ms A/D integration time A/D integration time: 1.67 ms in fast sampling mode Thermocouple accuracy: $\pm(0.2\%$ of reading + 4°C) for R, S, and B types Standard test conditions: $23 \pm 2^{\circ}\text{C}$, $55 \pm 10\%$ RH, 50/60 Hz $\pm 1\%$ supply frequency, 30-minute minimum warm-up Data Storage & Formats Internal flash memory: 80 MB or 200 MB options CompactFlash card and USB memory support on compatible configurations Binary and text format save options to external media Event data, manual samples, time-series calculations, and report data logging Electrical Requirements AC supply: 90–132 VAC or 180–250

VAC Frequency: 50/60 Hz $\pm 1\%$ Key Features Free mode and trigger-based acquisition (alarm, external contact, time, calculated data thresholds) Pre-trigger functionality for event capture 5.5-inch color LCD with wide viewing angle for on-site monitoring Mixed-input architecture supports voltage, thermocouple, RTD, and digital sensor types simultaneouslyTypical Applications Temperature monitoring networks, multi-point voltage data logging, industrial process validation, equipment thermal analysis, and field-deployable data acquisition where portability and channel density are critical.Compatibility & Integration CompactFlash memory cards and USB media (model-dependent) enable field data transfer. Binary format supports high-speed logging; text format facilitates downstream software integration and analysis workflows.

MV112121D Characteristics / Specifications

PARAMETER	VALUE
Model	MV112-1-2-1D
Manufacturer	Yokogawa
Instrument Type	Portable Paperless Recorder
Series	MV100 MobileCorder
Catalog Model	MV112
Input Channels	12
Normal Sampling Interval	1 s
Sampling With 100 ms Integration	2 s
Display	5.5-inch TFT color LCD, 320 × 240
Internal Memory Duration	approx. 27 hours at 1 s on 6 ch reference class
External Media	CompactFlash; 3.5-inch floppy; Zip disk
Ethernet	10BASE-T
Email Alarm	supported
Web Server	supported
Input Types	thermocouple, RTD, DC voltage, contact (module dependent)
Dimensions	approx. 152 W x 225 H x 240 D mm
Weight	approx. 4 kg
Operating Temperature	0 to 50 degC Power: 100 to 240 VAC; optional rechargeable battery
Alias	MV112; MV112-1-2-1D
Math Function	supported (model dependent)
Alarm Function	supported
Battery Option	rechargeable battery pack available
Ordering Suffix	MV112 1 2 1D configuration code

PARAMETER

VALUE

Channel Isolation

per MV100 family input module Notes Suffix MV112-1-2-1D reflects Yokogawa ordering configuration—confirm channel modules and language/power suffix on the nameplate. Discontinued; see MV1000/MV2000 successors.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 degC Power: 100 to 240 VAC; optional rechargeable battery
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Alarm Function	supported
Battery Option	rechargeable battery pack available
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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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Channel Isolation: per MV100 family input module

Notes

Suffix MV112-1-2-1D reflects Yokogawa ordering configuration-confirm channel modules and language/power suffix on the nameplate. Discontinued; see MV1000/MV2000 successors.

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.