

**Aumictech**

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Data Sheet

August 15, 2026

CUH

CUH SDVC31-M Intelligent Digital Variable Voltage and Variable Frequency Vibratory Feeder Controller

The CUH SDVC31-M is an intelligent digital variable voltage and variable frequency vibratory feeder controller. It offers precise control over vibratory feeders, ensuring smooth and efficient material handling in automated assembly and packaging systems. The SDVC31-M features advanced digital control algorithms for stable and reliable performance.



MODEL

CUH SDVC31-M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SDVC31-M

LISTING

<https://aumictechlabs.com/products/sdvc31-m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The CUH SDVC31-M is an intelligent digital controller for vibratory feeders that delivers precise voltage and frequency regulation across automated material handling systems. Operating from 85–260 VAC input, the unit outputs 0–250 V or 0–260 V at frequencies between 40.0 Hz and 400.0 Hz, with a 3.0 A current rating. Automatic voltage regulation compensates for mains fluctuations and industrial AC beat effects, while soft startup gradually ramps output voltage to prevent shock loads on workpieces. Maximum output can boost to 150% of input voltage, and harmonic frequency tuning optimizes vibrator amplitude for specific applications. Technical Specifications Model: CUH SDVC31-M Input Voltage: 85–260 VAC Output Voltage Range: 0 V to

250 V; 0 V to 260 V Output Frequency Range: 40.0 Hz to 400.0 Hz Output Current Rating: 3.0 A Maximum Output Acceleration: 150% of input voltage Key Features Automatic Voltage Regulation: Eliminates feed speed variation from mains voltage fluctuations and industrial AC frequency beat effects Digitally Adjustable Soft Startup: Gradual voltage ramp from 0 V to preset value prevents workpiece shock Harmonic Frequency Adjustment: Operator tuning finds optimal amplitude conditions for the vibrator Intelligent Photoelectric Sensing: Adaptive sensor stalls controller on full or empty workpiece conditions; supports soft startup timing, startup delay, shutdown delay, and logic configuration Remote Speed Control: External potentiometer, PLC, or 1–5 V control signal adjusts output voltage; status indicator confirms signal presence NPN Switch Sensor Integration: Stalls operation when workpieces are full; enables timing and logic functions Transistor Output Control: Coordinates with solenoid valves and external devices Keypad Lock: Hold ON/OFF button 2 seconds to prevent accidental operation Maximum Output Restraint: Preset voltage ceiling protects equipment from damage Waveform Index Setting: Optimize efficiency and capacity through parameter adjustment Remote ON/OFF Control: Two independent control port groups Settings Restore: Reset all parameters to factory defaults LED Display: Shows current adjustable parameters (voltage, frequency) Typical Applications Automated assembly lines, packaging systems, and industrial part feeding operations requiring stable, adaptive vibration control. Compatibility & Integration Integrates with external potentiometers, PLC systems, NPN switch sensors, and solenoid valve actuators via dedicated control ports.

SDVC31M Characteristics / Specifications

PARAMETER	VALUE
Model	SDVC31-M
Instrument Type	Digital VVVF vibratory feeder controller
Family	CUH SDVC31
Control	variable voltage and variable frequency
Manufacturer	CUH
Literature	CUH SDVC31-M intelligent digital VVVF feeder-controller literature
System Role	vibratory bowl/linear feeder drive
Mains Class	AC mains 100-250 V class (data sheet)
Output Voltage Class	adjustable feeder voltage on the SDVC31 sheet
Output Frequency Class	adjustable Hz on the SDVC31 sheet
Current Class	max output current on the SDVC31-M sheet
Sensor Inputs	photoelectric/level sensor class
Soft Start Class	soft-start on the SDVC31 sheet
Display Class	digital setpoint display
Operating Temperature Class	industrial cabinet ambient on the sheet
Form Factor	panel/DIN feeder controller
Brand Lineage	CUH
Documentation Type	SDVC31-M listing
Ate Class	feeder VVVF drive
Host Class	standalone feeder controller
Year Class	SDVC31-M
Use Case	bowl feeder stabilization
Protection Class	overload/short on the sheet
Enclosure Class	IP rating on the SDVC31 sheet
Related Models	SDVC31 family voltage/current overlays

PARAMETER	VALUE
Operating temperature	Class: industrial cabinet ambient on the sheet

SDVC31M Specifications

PARAMETER	VALUE
Variable voltage and frequency	SDVC31-M intelligent CUH series
Technical Specifications	Model: SDVC31-M
Notes	From CUH SDVC31-M VVVF vibratory-feeder controller listings. Output volts, Hz, and amps are on the SDVC31-M data sheet; do not invent them.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: industrial cabinet ambient on the sheet
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Form Factor	panel/DIN feeder controller
Brand Lineage	CUH
Documentation Type	SDVC31-M listing
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Host Class	standalone feeder controller
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Protection Class	overload/short on the sheet
Enclosure Class	IP rating on the SDVC31 sheet
Related Models	SDVC31 family voltage/current overlays Notes From CUH SDVC31-M VVVF vibratory-feeder controller listings. Output volts, Hz, and amps are on the SDVC31-M data sheet; do not invent them.

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

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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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<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.