

Product Specification Sheet

VS-02 Joystick Handheld Remote

Functional Specifications

Motion Laboratories' VS-02 Joystick Handheld Remote is a portable operator control device for the VS-02 Variable Speed Control System. When connected to a VS-02 Main Controller, the joystick places the system in Joystick Mode and provides direct proportional velocity control of enabled Motion Laboratories VS-02 chain hoists. The spring-return joystick commands hoist direction and speed. The joystick's center position represents zero speed. Commanded speed is proportional to joystick deflection from center, ranging from 0 to the configured maximum scale value. A dedicated Run button is used to issue the motion command, allowing the operator to select hoists and monitor system feedback from the VS-02 Main HMI. The VS-02 Joystick Handheld Remote is Motion Laboratories part number A-16-305-0001.



Features

- Portable handheld joystick controller for the VS-02 Variable Speed Control System
- Spring-return, center-zero joystick for proportional speed and direction control
- Direct velocity control of enabled VS-02 hoist channels
- Dedicated momentary Run button for commanded hoist motion
- Configurable joystick speed scale for setup and precision movement
- Joystick calibration function for accurate neutral reference
- Rugged yellow polyamide handle with black powder-coated aluminum faceplate
- Neutrik 6-pin XLR connector with 25 ft cable tail
- 24 VDC control power supplied by the VS-02 system
- Indoor-use design with IP50 rating

Physical Specifications

Dimensions, Height, Body	7.83" / 198.9mm
Dimensions, Width, Body	4.55" / 115.6mm
Dimensions, Depth, Body	4.45" / 113mm
Material & Finish, Front Panel	.125" 5025 Aluminum, Black Anodize
Material & Finish, Body	Yellow Polyamide
Weight	6 lbs. / 2.7 kg
Marking	Motion Laboratories name/trademark. Operator Controls.

Electrical Specifications

Supply Voltage	24 VDC
Maximum Power Consumption	≤ 5 mA

Environmental Specifications

Degree of Protection (IP)	IP50
Degree of Protection (NEMA)	NEMA 1
Ambient Temperature, During Operation	0°C to 50°C

Ratings and Certifications

Standards / Regulations	The Joystick Handheld Remote has been designed and manufactured in accordance with established industry standards and best practices, including UL 508A and UL 1640, as applicable, and relevant provisions of the National Electrical Code (NEC).
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Drawings and Dimensions

