

3 Axis Stage Controller (for 2-phase Stepping Motor) SHRC-203-M2

CE

RoHS

Catalog Code W9324

This controller can control a motorized stage equipped with a 2-phase stepping motor in 4 different command formats.

- 3-axis stage controller with built-in 2-phase stepping motor driver for full closed-loop control with linear and rotary encoders.
- In addition to our original commands, G code can be used.
- It is equipped with flow control that receives and holds multiple next move commands even when stage motion is not completed, and executes them in the order received.
- External control via USB/GP-IB/Ethernet interface, manual operation via front panel or handy terminal (JS-301, JB-401, JD-101, MD-400), and automatic control via internal program (8 banks) are available.



Guide

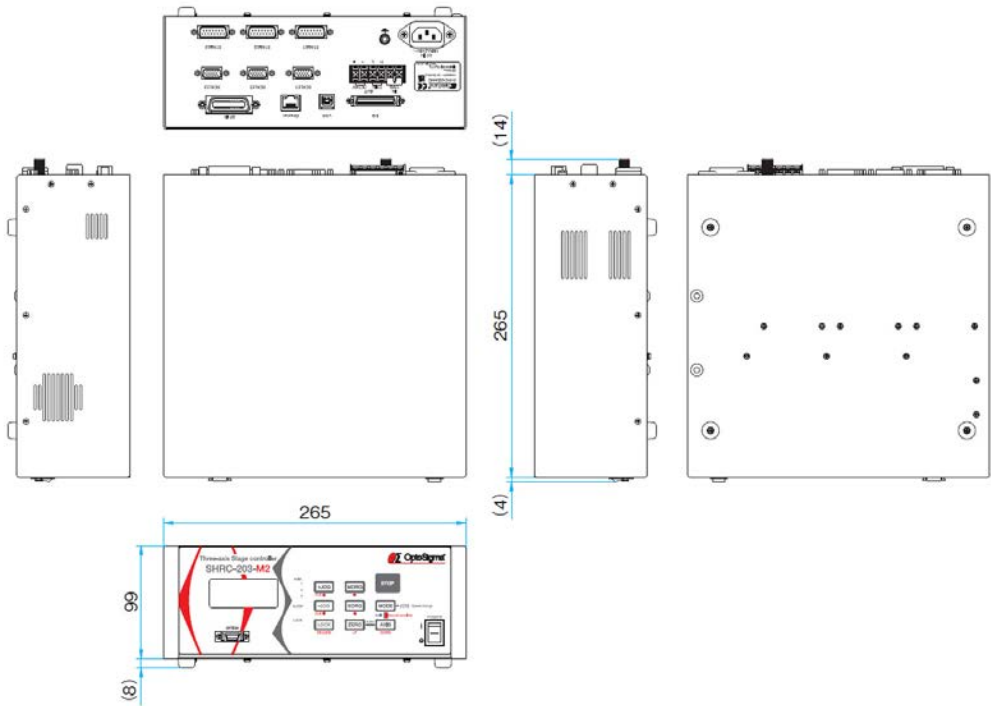
- Sample programs are available for download on our website.
•SG Sample 32/64 bit for Windows®
- Please contact our sales department if you wish to use a motor other than our 2-phase stepping motor stages.

Specifications

Part Number	SHRC-203-M2
Product Name	3 Axis Stage Controller (for 2-phase Stepping Motor)

Outline Drawing

SHRC-203-M2



SHRC-203-M2_E2510



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Specifications	
General Specifications	
Power Voltage	AC100 - 240V $\pm$ 10% 50/60Hz
Power Consumption	2A
Operating Temperature	5 - 40°C
Storage Temperature	-20 - 60°C
Ambient Humidity	20~80%RH (without condensation)
Weight	4.6kg
External Dimensions (W $\times$ H $\times$ D)	265 $\times$ 99 $\times$ 265mm

Performance Specifications	
Coordinate Indication Range	$\pm$ 999,999,999
Max. Travel to Set	-2147483648 ~ + 2147483647 phase
Max. Driving Speed	1,000,000pps
Min. Driving Speed	1pps
Acceleration/Deceleration Time	1 - 1,000ms
Micro-step (Max. Division)	500
Driving Current	0.2 - 2.8A/phase

Control Command	
Controller Function	☐
Number of Control Axes	3 axes
Stored Program Control	☐
Feedback Control	RE
Circular Interpolation Control	☐
Linear Interpolation Control	☐
Machine Origin Return	☐
Theoretical Origin Setting	☐
Relative Position Drive	☐
Absolute Position Drive	☐
Jog Operation	☐
Position Appointment	-
Deceleration stop	☐
Emergency Stop	☐
Speed Setting	☐
Driver Function	Micro-step
Motor Free/Hold	☐

Interface	
GP-IB	☐
RS232C	-
USB	☐
Ethernet	☐

I/O Specification	
Origin Sensor	☐
Proximity Sensor	☐
CW (+) Limit	☐
CCW(-) Limit	☐
General Purpose Input	6 point
General Purpose Output	6 point
Control Input	18 point
Control Output	5 point
Trigger Output	☐

Optional	
CJ-200A	-
JS-301	☐
JB-401	☐
JD-101	☐
SJT-02	-
MD-400	☐

