3 Axis Stage Controller
(for 2-phase Stepping Motor) SHRC-203-M2 $\boxed{CE}$ $\boxed{RoHS}$

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.
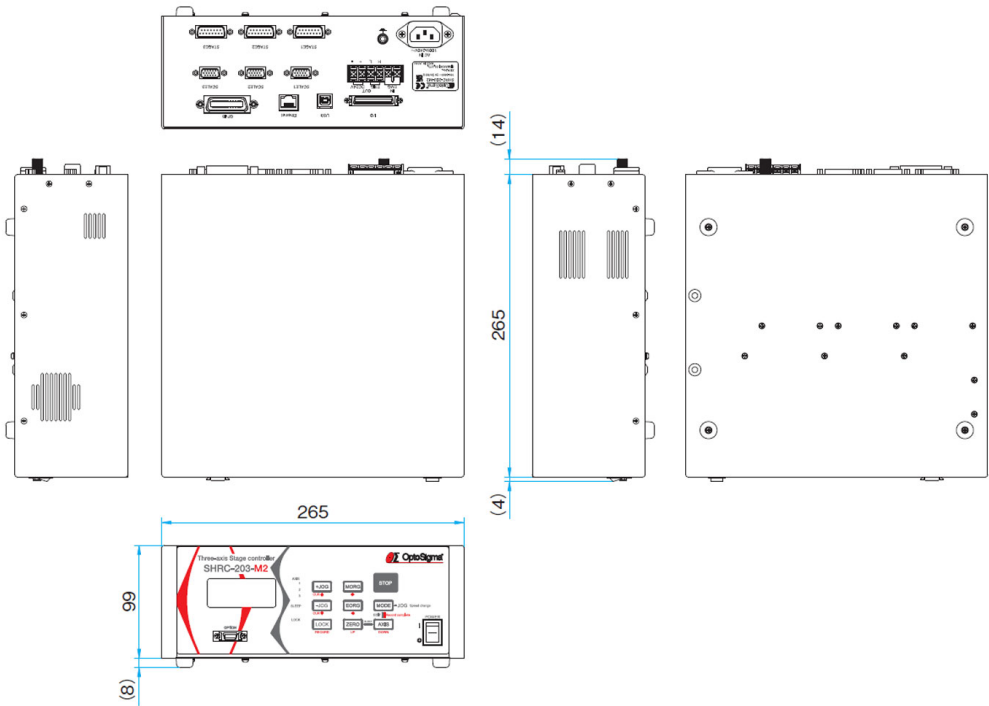

Guide

- 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.

Part Number	**SHRC-203-M2**
Product Name	3 Axis Stage Controller

Outline Drawing

SHRC-203-M2

Specifications

General Specifications

Power Voltage	AC100 - 240V ± 10% 50/60Hz
Power Consumption	2A
Operating Temperature	5 - 40℃
Storage Temperature	-20 - 60℃
Ambient Humidity	20～80%RH (without condensation)
Weight	4.6kg
External Dimensions (W×H×D)	265×99×265mm

Performance Specifications

Coordinate Indication Range	±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	GS
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	○