NEW 2 axis Stage Controller | ASC-02

CE

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Piezo Stage
Precision Linear MS
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Motorized Rotation
Multiaxis Motorized
Industrial Robot
Controller & Driver & Cable
Custom-Built MS

A 2 axis stage controller with built-in 5-phase stepping motor driver.

● External control with RS232C interface, manual operation and programmed operation with a dedicated controller (SJ-02).

Guide

▶Sample programs are available for download on our website.
- SGCommander 32/64-bit version for Windows® (only for RS232C)
- LabVIEW for RS232C (for v.5.1/v.6i/v7.1/v.8.6/v.2010)

Attention

▶Power supply is DC+24V 2A.
You need to purchase the PAT-001-POW1 (AC adapter) or prepare an adapter separately.

Part Name	Part Number
2 axis Stage Controller	**ASC-02**
Joystick Terminal	**SJ-02**
AC Adapter	**ASC-PS**

■Primary Functions

Controller Function	○
Number of Control Axes	2
Stored Program Control	△
Feedback Control	—
Circular Interpolation Control	—
Linear Interpolation Control	—
Driver Function	Standard
Micro-step (Max. Division)	2 (half step only)
Driving Current (A/phase)	0.3 – 0.8

△…Programs can be controlled using SJT-02.

■General Specifications

Power Voltage	DC24V 2A
Power Consumption	48VA
Operating Temperature	5 – 40°C
Storage Temperature	–20 – 60°C
Ambient Humidity	20 – 80%RH
External Dimensions (W×H×Dmm)	180×40×125
Weight (kg)	0.7

■Interface

GP-IB	—
RS232C	○
USB	—
Ethernet	—

■Optional

SJ-200A	—
SJ-300	—
SJ-400	—
SJ-02	○

■Performance Specifications

Coordinate Indication Range	—
Max. Travel to Set	16,777,214
Max. Driving Speed (pps)	20,000
Min. Driving Speed (pps)	1
Acceleration/Deceleration Time (ms)	0 – 1,000

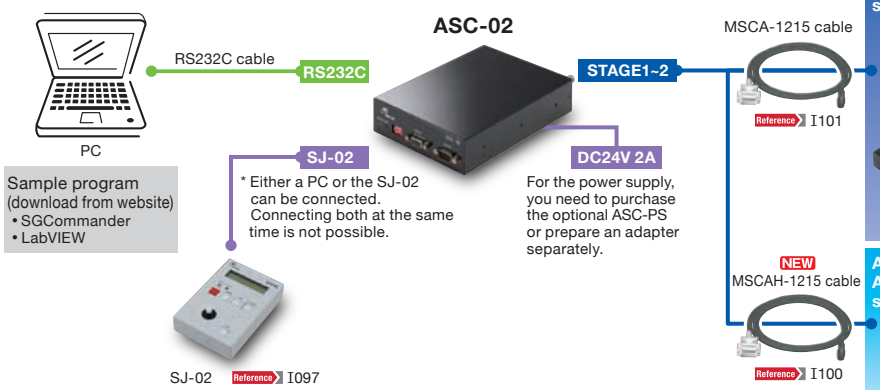
■I/O Specification

Origin Sensor	○
Proximity Sensor	○
CW (+) Limit	○
CCW (–) Limit	○
General Purpose Input	—
General Purpose Output	—
Control Input	—
Control Output	—
Trigger Output	—

■Control Command

Machine Origin Return	○
Theoretical Origin Setting	○
Relative Position Drive	○
Absolute Position Drive	—
Jog Operation	○
Position Appointment	—
Circular Interpolation Control	—
Linear Interpolation Control	—
Drive	○
Deceleration Stop	○
Emergency Stop	○
Speed Setting	○
Motor Free/Hold	○
Port Input	—
Port Output	—

■ASC-02 System Chart



Stepping Motor Stage