

NEW 2 axis Stage Controller | **ASC-702**



A 2 axis stage controller with built-in micro-step driver.

- External control with RS232C interface and manual operation with dedicated controllers (SJ-300, SJ-400).



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)

Part Name	Part Number
2 axis Stage Controller	ASC-702
Joy Stick	SJ-300
Jog Operation Box	SJ-400
MDR Cable	SJC-CA-2.5

■ Primary Functions

Controller Function	○
Number of Control Axes	2
Stored Program Control	—
Feedback Control	—
Circular Interpolation Control	—
Linear Interpolation Control	—
Driver Function	Micro-step
Micro-step (Max. Division)	250
Driving Current (A/phase)	0.1 – 1.1

■ General Specifications

Power Voltage	AC100 – 240V 50/60Hz
Power Consumption	50VA
Operating Temperature	5 – 40°C
Storage Temperature	–20 – 60°C
Ambient Humidity	20 – 80%RH
External Dimensions (W×H×Dmm)	260×70×280
Weight (kg)	2.8

■ Interface

GP-IB	—
RS232C	○
USB	—
Ethernet	—

Optional

SJ-200A	—
SJ-300	○
SJ-400	○
SJ-02	—

■ Performance Specifications

Coordinate Indication Range	—
Max. Travel to Set	268,435,455
Max. Driving Speed (pps)	500,000
Min. Driving Speed (pps)	1
Acceleration/Deceleration Time (ms)	1 – 1,000

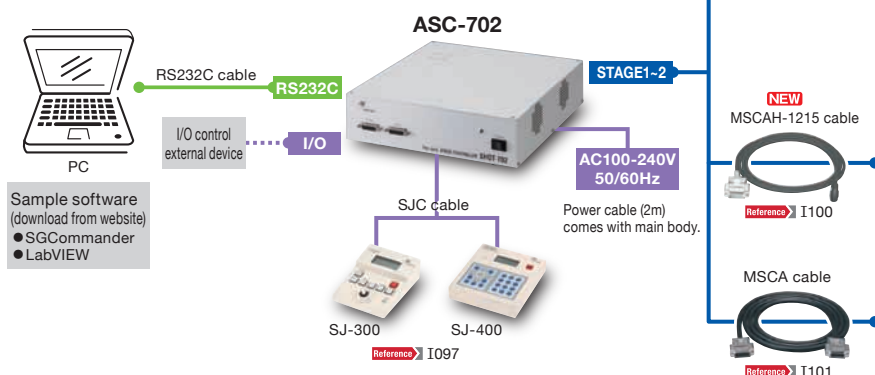
■ I/O Specification

Origin Sensor	○
Proximity Sensor	○
CW (+) Limit	○
CCW (−) Limit	○
General Purpose Input	1 point
General Purpose Output	1 point
Control Input	1 point
Control Output	1 point
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-702 System Chart



Stepping Motor Stage



Application Systems

Machine
Vision

Manual Positions

Motion Control Products

Optical &
Mirror Holder

FA Parts

Measurement & Control

FA Electrical
PartsTool & MeasureCleanroom
& AntiStaticIndexPiezo StagePrecision
Linear MSHigh Speed
MS

Motorized
Gonimeter

Motorized
Rotation

**Multiaxis
Motorized**

Industrial RobotController & Driver & Cable

Custom-Built
MS