

## 2 axis Stage Controller | ASC-102

RoHS

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

- External control with RS232C and GP-IB interfaces, as well as manual operation with a joystick are available.



#### Guide

- Sample programs are available for download on our website.
  - SGCommander 32/64-bit version for Windows® (only for RS232C)
  - LabVIEW for S232C (for v.5.1/v.6i/v7.1/v.8.6/v.2010)
  - LabVIEW for GP-IB (for v.5.1/v.6i/v7.1/v.8.6/v.2010)

Part Name	Part Number
2 axis Stage Controller	ASC-102

#### 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
Driving Current (A/phase)	0.17 – 0.85

#### General Specifications

Power Voltage	AC100V 50/60Hz
Power Consumption	50VA
Operating Temperature	5 – 40°C
Storage Temperature	—
Ambient Humidity	20 – 85%RH
External Dimensions (W×H×Dmm)	200×52×172
Weight (kg)	2

#### Interface

GP-IB	○
RS232C	○
USB	—
Ethernet	—

#### Performance Specifications

Coordinate Indication Range	±9,999,999
Max. Travel to Set	16,777,124
Max. Driving Speed (pps)	20,000
Min. Driving Speed (pps)	1
Acceleration/Deceleration Time (ms)	0 – 5,000

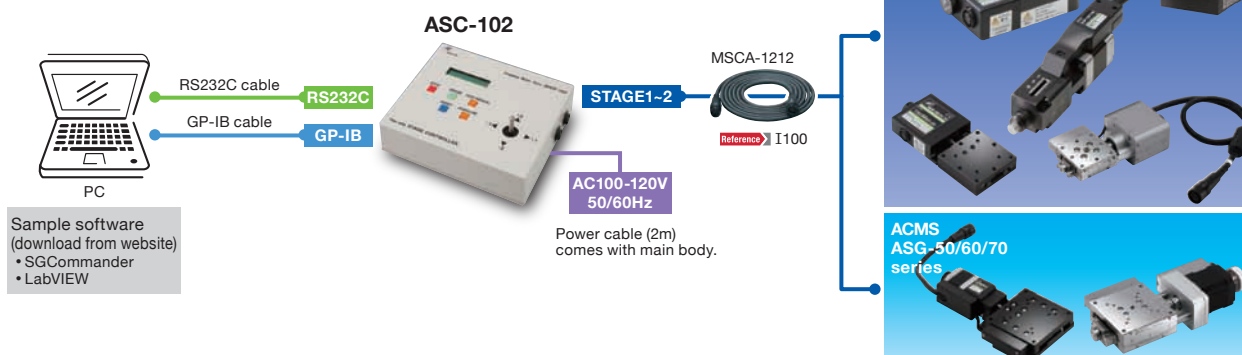
#### I/O Specification

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-102 System Chart



\* The machine origin sensor of the ACMS/ASG-50/60/70 series cannot be used.  
Only the MINI system and CENTER system that use limit sensors are available for homing operation.

Application Systems

Machine Vision

Manual Positions

Motion Control Products

Optical &amp; Mirror Holder

FA Parts

Measurement &amp; Control

FA Electrical Parts

Tool &amp; Measure

Cleanroom &amp; AntiStatic

Index

Piezo Stage

Precision Linear MS

High Speed MS

Motorized Goniometer

Motorized Rotation

Multiaxis Motorized

Industrial Robot

Controller &amp; Driver &amp; Cable

Custom-Built MS