

2 axis / 4 axis Stage Controllers

ASC-GS



2 axis and 4 axis stage controllers with built-in micro-step driver.

- External control with RS232C/GP-IB/USB interfaces, manual operation with a control pad (SJ-200A) or dedicated controllers (JS-300, JB-400), and automatic control with two banks of stored programs are available.
- Full closed loop control is possible when used in combination with a stage with built in glass-scale.



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)
 - 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-302GS
4 axis Stage Controller	ASC-304GS
Control Pad	SJ-200A
Joy Stick	SJ-300
Joy Operation Box	SJ-400
MDR Cable	SJC-CA-2.5

Primary Functions

Part Number	SHOT-302GS	SHOT-304GS
Controller Function	○	
Number of Control Axes	2	4
Stored Program Control	○	
Feedback Control	GS	
Circular Interpolation Control	○	
Linear Interpolation Control	2 axes	
Driver Function	Micro-step	
Micro-step (Max. Division)	250	
Driving Current (A/phase)	0.25 - 1.4	
CJ-200A	Required	

Optional

SJ-200A	○
SJ-300	○
SJ-400	○
SJ-02	-

Performance Specifications

Coordinate Indication Range	±999,999,999
Max. Travel to Set	268,435,455
Max. Driving Speed (pps)	500,000
Min. Driving Speed (pps)	1
Acceleration/Deceleration Time (ms)	0 - 1,000

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	○

General Specifications

Power Voltage	AC100 - 240V 50/60Hz	
Power Consumption	160VA	300VA
Operating Temperature	5 - 40°C	
Storage Temperature	-20 - 60°C	
Ambient Humidity	20 - 80%RH	
External Dimensions (W×H×Dmm)	270×302×118	
Weight (kg)	5.5	6.5

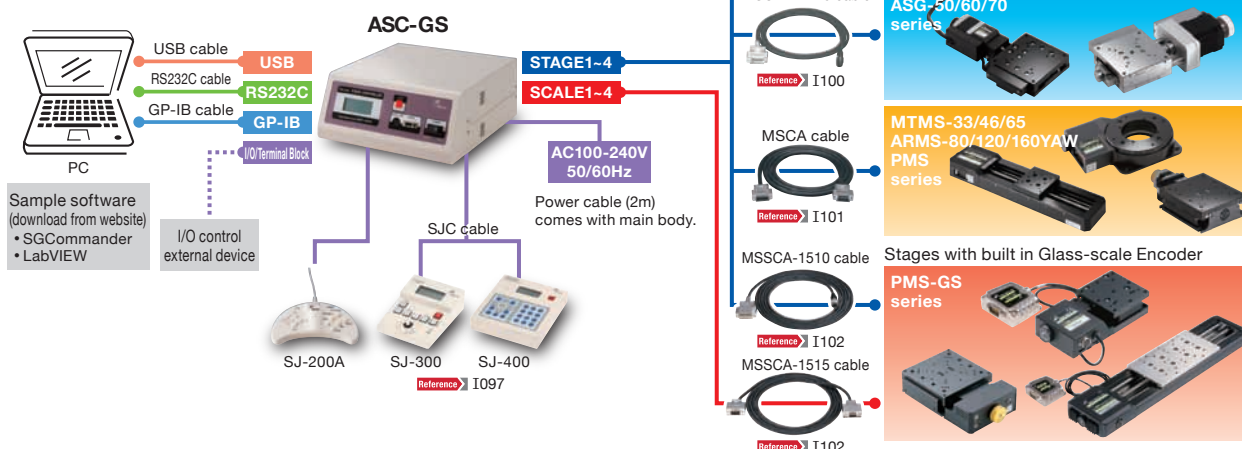
I/O Specification

Origin Sensor	○
Proximity Sensor	○
CW (+) Limit	○
CCW (-) Limit	○
General Purpose Input	4 points
General Purpose Output	4 points
Control Input	15 points
Control Output	5 points
Trigger Output	○

Interface

GP-IB	○
RS232C	○
USB	○
Ethernet	-

ASC-302GS/304GS System Chart



Application Systems

Machine Vision

Manual Positions

Motion Control Products

Optical & Mirror Holder

F A Parts

Measurement & Control

FA Electrical Parts

Tool & Measure

Cleanroom & AntiStatic

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Piezo Stage

Precision Linear MS

High Speed MS

Motorized Goniometer

Motorized Rotation

Multiaxis Motorized

Industrial Robot

Controller & Driver & Cable

Custom-Built MS