NEW Intelligent Positioning System | ASCG-101

Application Systems
Machine Vision
Manual Positions
Motion Control Products
Optical & Mirror Holder
F A Parts
Measurement &Control
FA Electrical Parts
Tool & Measure
Cleanroom & AntiStatic
Index

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

A single axis controller with built-in micro-step driver having a 5-point preset function.

- Compatible with objective lens turrets and other LASER accessory units in addition to motorized stages fitted with 5-phase stepping motor.

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
Intelligent Positioning System	**ASCG-101**

■Primary Functions

Controller Function	○
Number of Control Axes	1
Stored Program Control	—
Feedback Control	—
Circular Interpolation Control	—
Linear Interpolation Control	—
Driver Function	Micro-step
Micro-step (Max. Division)	250
Driving Current (A/phase)	0.23 – 0.75

■General Specifications

Power Voltage	AC100 – 240V 50/60Hz
Power Consumption	100VA
Operating Temperature	0 – 40°C
Storage Temperature	—
Ambient Humidity	20 – 80%RH
External Dimensions (W×H×Dmm)	145×205×81
Weight (kg)	2

■Interface

GP-IB	—
RS232C	○
USB	—
Ethernet	—

■Performance Specifications

Coordinate Indication Range	—
Max. Travel to Set	16,777,214
Max. Driving Speed (pps)	22,000
Min. Driving Speed (pps)	50
Acceleration/Deceleration Time (ms)	20 – 1,000 16 steps

■I/O Specification

Origin Sensor	○
Proximity Sensor	○
CW (+) Limit	○
CCW (–) Limit	○
General Purpose Input	—
General Purpose Output	—
Control Input	6 points
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	○

■ASCG-101 System Chart