NEW

Intelligent Positioning System GIP-101B

CE Catalog Code W9102

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

- Compatible with objective lens turrets, motorized zoom lens and other LASER accessory units in addition to motorized stages fitted with 5-phase stepping motor.
- Can control the controller from PC via USB (virtual COM port).

Guide

▸Sample programs are available for download on our website.
・SG Sample 32/64-bit version for Windows®
・LabVIEW for RS232C
(for v7.1/v.8.6/v.2010/v2012/v.2013/v.2014/v.2015/v.2016)

Part Name	Part Number
Intelligent Positioning System	**GIP-101B**

■Primary Functions

Controller Function	○
Number of Control Axes	1 axis
Stored Program Control	–
Feedback Control	–
Circular Interpolation Control	–
Linear Interpolation Control	–
Driver Function	Micro-step
Micro-step (Max. Division)	250
Driving Current (A/phase)	0.25 – 0.75

■General Specifications

Power Voltage	DC24V 1.8A
Power Consumption	43.2VA
Operating Temperature	5 – 40℃
Storage Temperature	–20 – 60℃
Ambient Humidity	20 - 80%RH
External Dimensions (W×H×Dmm)	175 × 165 × 55mm
Weight(kg)	1.2kg

■Interface

GP-IB	–
RS232C	–
USB	○
Ethernet	–

■Performance Specifications

Coordinate Indication Range	–
Max. Travel to Set	134,217,727
Max. Driving Speed (pps)	500,000
Min. Driving Speed (pps)	1
Acceleration/Deceleration Time (ms)	1 ～ 1,000

■I/O Specification

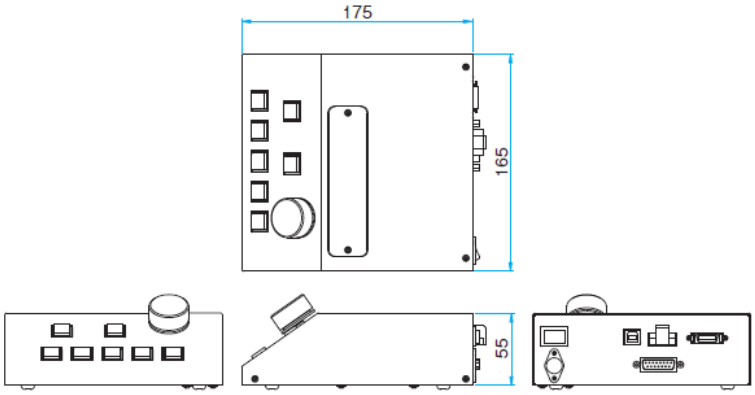
Origin Sensor	○
Proximity Sensor	○
CW (+) Limit	○
CCW (–) Limit	○
General Purpose Input	–
General Purpose Output	–
Control Input	6 points
Control Output	1 point
Trigger Output	–

■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	–

Outline Drawing

GIP-101B



GIP-101B System Chart