

NEW

Intelligent Positioning System **GIP-101B** 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°C
Storage Temperature	–20 – 60°C
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	—



Tokyo Head Office
5F, SIGMA KOKI Tokyo Head office 1-19-9,
Midori, Sumida-ku, Tokyo, 130-0021, JAPAN
TEL. +81-3-5638-8228
FAX. +81-3-5638-6550
E-mail international@sigma-koki.com

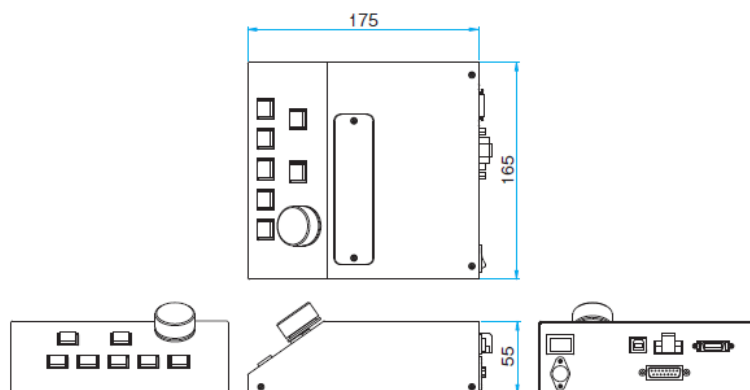
Osaka Branch
4-9-28 Nishi-Nakajima,
Yodogawa-ku, Osaka 532-0011
TEL. +81-6-6307-4835
FAX. +81-6-6307-4834
E-mail sales.osaka@sigma-koki.com

Kyushu Sales Office
3-17 Hie-machi, Hakata-ku, Fukuoka 812-0014
TEL. +81-92-481-4300
FAX. +81-92-481-4310
E-mail sales.kyushu@sigma-koki.com

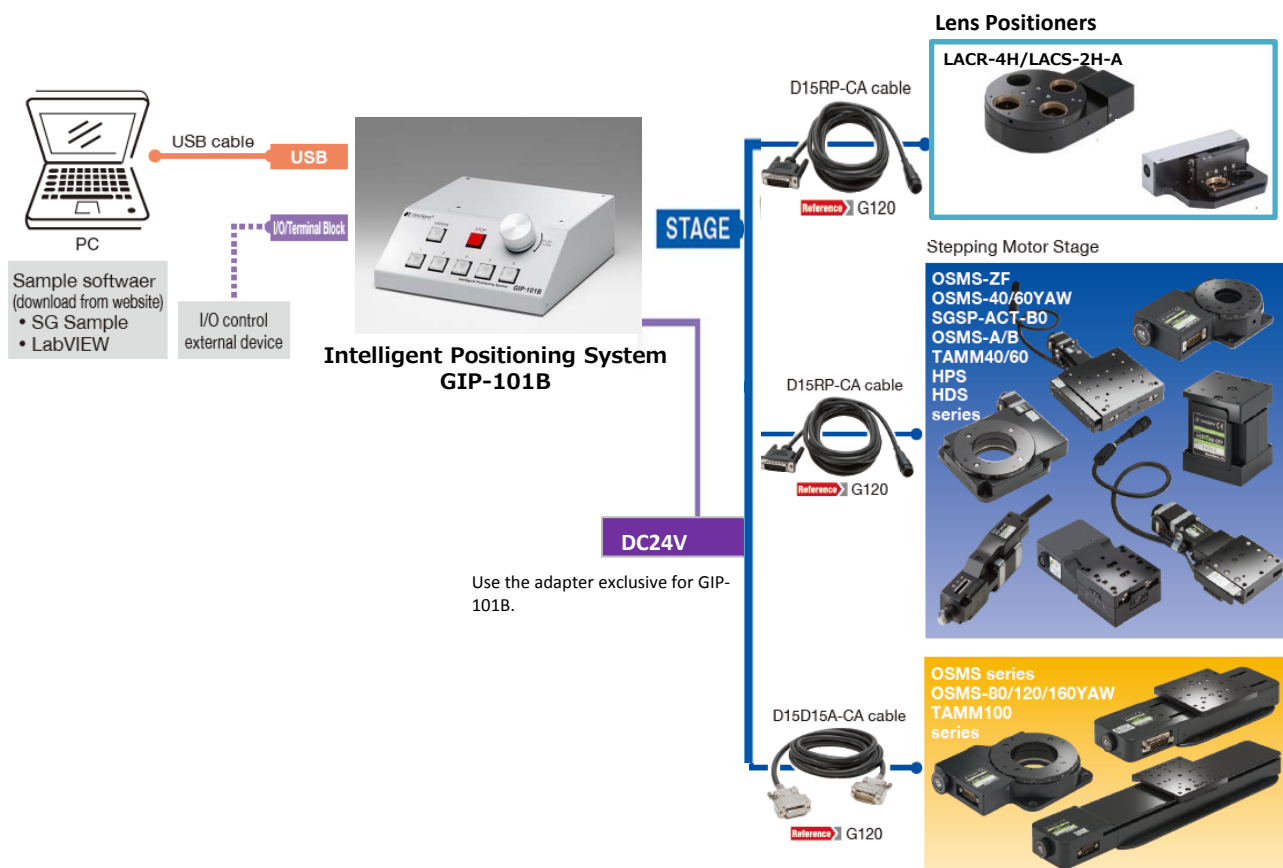
GIP-101B-E1804

Outline Drawing

GIP-101B



GIP-101B System Chart



Tokyo Head Office
 5F, SIGMA KOKI Tokyo Head office 1-19-9,
 Midori, Sumida-ku, Tokyo, 130-0021, JAPAN
 TEL. +81-3-5638-8228
 FAX. +81-3-5638-6550
 E-mail international@sigma-koki.com

Osaka Branch
 4-9-28 Nishi-Nakajima,
 Yodogawa-ku, Osaka 532-0011
 TEL. +81-6-6307-4835
 FAX. +81-6-6307-4834
 E-mail sales.osaka@sigma-koki.com

Kyushu Sales Office
 3-17 Hie-machi, Hakata-ku, Fukuoka 812-0014
 TEL. +81-92-481-4300
 FAX. +81-92-481-4310
 E-mail sales.kyushu@sigma-koki.com