

**NEW Joystick Terminal
Joy Stick / Jog Operation Box****SJ-02
SJ-300 / SJ-400****SJ-02**

A dedicated joystick terminal for the ASC-02 controller to manually operate a motorized stage. Internal program memory allows automatic operation without using a PC.

**Attention**

- Pin 1 of ASC-02 connector for use with the SJ-02 has an electrical output of +24V. Under no circumstances should it be connected to a PC. Although it has a protective circuit, be sure to disconnect either RS232C or SJ-02, otherwise there is a risk of damage.
* If RS232C and SJ-02 are connected at the same time, neither of them will function.

Specifications

Part Number	NEW SJ-02
Type	Joystick
Power Supply	Supplied from controller
Display	LCD (16 digits × 2 lines)
External Dimensions [W×H×Dmm]	94×30×140
Weight [kg]	0.45

General Specifications

Power Supply	DC+24V Supplied from a 2 axis stage controller (ASC-02).
Operating Temperature	5 – 40°C
Ambient Humidity	20 – 80%RH (without condensation)
External Dimensions	(W)94 × (H)30 × (D)140mm
Weight	560g (including a special cable)
Display	LDC 16 digits, 2 lines
Connecting Cable	Attached special connecting cable (detachable)

Performance Specifications

Number of Control Axes	2 axes
Operation Mode	MANUAL (M) / TEACHING (T) / RUN (R) EDIT (E) / MEM SW SET Mode
Coordinate Indication Range	X axis: Approx. –99999999 – +99999999 pulses Y axis: Approx. –99999999 – +99999999 pulses
Coordinate Input Range	X axis: Approx. –16777214 – +16777214 pulses Y axis: Approx. –16777214 – +16777214 pulses
Limit Sensor Status	X axis: Displayed left side of coordinate symbol ("L" is displayed when detected.) Y axis: Displayed left side of coordinate symbol ("L" is displayed when detected.)
Speed Parameter	Switchable among 10 steps
Min. Driving Speed	(S) 1 – 20000pps
Max. Driving Speed	(F) 1 – 20000pps
Acceleration /Deceleration Time	(R) 0 – 1000mS
Coordinate Display Unit	[PLS] [μm] [°]
Program Memory Capacity	128 steps × 4 channels
Program Parameter	Wait time 0 – 25.5 [sec] Unit: 0.1 sec Repeated 0 – 99999999 [times]
Origin Return Axes	X axis only / Y axis only / Both axes
Motor Rotation Direction	X axis: Positive (POS) / Negative (NEG) Y axis: Positive (POS) / Negative (NEG)

SJ-300 / SJ-400

Connecting SJ-300 or SJ-400 enables control of the 2 axis/4 axis stage controllers ASC-302GS/304GS or 2 axis stage controller ASC-702 from a distance.

**Joy Stick
SJ-300**

Allows easy manual operation of a motorized stage using a joystick.

**Jog Operation Box
SJ-400**

Allows manual operation of motorized stages, and has program functions.

Functions

LCD Panel	Displays screen of ASC-302GS/ASC-304GS Display digits: 16 digits × 4 lines
MODE Button	Switches modes.
E-ORG Button	Returns to theoretical (electric) origin
ZERO Button	Sets theoretical (electric) origin
Control Axis Switch Button	Switches the operating axis of joystick (1, 2 or 3, 4 axes) (Enabled only for ASC-304GS)
Joystick	Controls 1, 2 or 3, 4 axes
M-ORG Button	Machine Origin Return
Third axis Operating Switch	Operates third axis
SPEED Button	Switches the travel speed (4 stages) set with ASC-302GS/ASC-304GS
STOP Button	Emergency stop

Specifications

Part Number	SJ-300	SJ-400
Type	Joystick	Button operation
Cable	SC-CA-2.5 (purchase separately)	
Display	LCD (16 digits × 4 lines)	
External Dimensions [W×H×Dmm]	120×50×160	178×38×195
Weight [kg]	0.7	0.7

Functions

LCD Panel	Displays screen of ASC-302GS/ASC-304GS Display digits: 16 digits × 4 lines	
Program Button	Executes ASC-302GS/ASC-304GS internal programs	
SPEED Button	Switches the travel speed (4 stages) set with ASC-302GS/ASC-304GS	
MODE Button	Switches between ASC-302GS/ASC-304GS modes	
ORG X/Y Button	Returns X/Y axis to machine origin	
Reset X/Y Button	Sets theoretical (electric) origin of X/Y axis	
STOP Button	Emergency stop	
JOG/Pulse Button	Switches between JOG operation and fixed pulse operation	
X axis / Y axis Control Button	When set to JOG operation: Move while the button is being pressed	When set to fixed pulse operation: Move for the registered number of pulses at each press of the button
CLEAR Button	Resets the fixed pulse setting to zero	
Numeric Keypad (0 – 9)	Inputs the number of fixed pulse	
SET Button	Completes setting of fixed pulse	

Application
SystemsMachine
VisionManual
PositionsMotion Control
ProductsOptical &
Mirror Holder

F A Parts

Measurement
&ControlFA Electrical
PartsTool &
MeasureCleanroom
& AntiStatic

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Piezo Stage

Precision
Linear MSHigh Speed
MSMotorized
GoniometerMotorized
RotationMultiaxis
MotorizedIndustrial
RobotController &
Driver & CableCustom-Built
MS