

Joystick Terminal Jog Dial

SJT-02
JD-100

RoHS

CE

SJT-02

Catalog Code **W9049**

Dedicated joystick terminal for the GSC-02 controller

- Enables manual operation of attached motorized stages.
- Internal program memory allows automatic operation without using a PC.



General Specifications

Power Supply	DC+24V Supplied from a 2 axis stage controller (GSC-02/SHOT-602).
Operating Temperature	5 – 40°C
Ambient Humidity	20 – 80%RH (without condensation)
External Dimensions	(W)94 × (H)30 × (D)140mm
Weight	0.6kg (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)

Specifications

Part Number	SJT-02
Type	Joystick
Power Supply	Supplied from controller

JD-100

Catalog Code **W9085**

Manual operation of motorized stages is possible using the JOG buttons or JOG dial.
The RATE button allows easy switching of the travel per click (2 steps).

Mode switching between SHOT-302GS/SHOT-304GS and switching of travel speed (4 steps) can be performed at using the front panel buttons.



Functions

LCD Panel	None
MODE Button	Switches between SHOT-302GS/SHOT-304GS modes.
RATE Button	Changes the travel per click. (Normal RATE: 1 pulse/click, High RATE: 5 pulses/click)
AXIS-SEL Button	Switches the motion axes (1 to 4 axes) using the jog dial.
SPEED Button	Switches the travel speed in 4 steps set with the controller. (SHOT-302GS/304GS only)
JOG+/- Button	Operates in +/- direction while the respective button is being pressed.
Number of Control Axes	2/4

Specifications

Part Number	JD-100
Type	Jog Dial
Cable	MDR14-CA-2.5 (purchase separately)
Display	None
External Dimensions [W×H×Dmm]	130×36×145
Weight [kg]	0.6

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40 × 40 mm

60 × 60 mm

80 × 80 mm

85 × 85 mm

100 × 100 mm

120 × 120 mm

Others