



Features

- Reducing the length from installation side to surface of slide to save space.
- Using servo stepper motor to enhance accuracy by driving timing belt with minimum pitch.
- Using four linear ball bearings to sustain the load of slide and maintain stable and smooth motion.
- Integrate the controller into stepper motor and it has memory function for programming.
- Three-phase stepper motor: incremental type 10000P/R, including 3 input - 2out.
- All in one: program control mode, pulse control mode and terminal control mode.

Table for standard stroke

Tube I.D.	Stroke (mm)	Max. stroke
25	100,200,300,400,500,600,700	750

※ Minimum stroke unit 1mm.

※ Please consult us if stroke out of specification.

Specification

Model	MEAT
Tube I.D. (mm)	25
Bearing	Linear ball bearings
Velocity	48~1000 mm/s
Horizontal load	5 kg
Repeatability	± 0.1 mm
Ambient temperature	+5°C ~ +40°C

※ Please reserve 5cm space around the installation slide for maintenance purpose.

Order example

MEAT-25-200-1

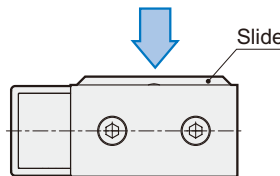
MODEL

TUBE I.D.

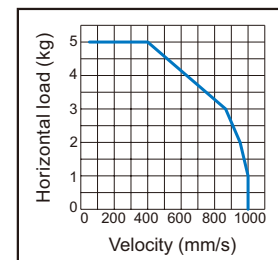
STROKE

Blank: Standard
1: With I/O card
(Should be ordered alone
EAT-1: Expansion I/O card)

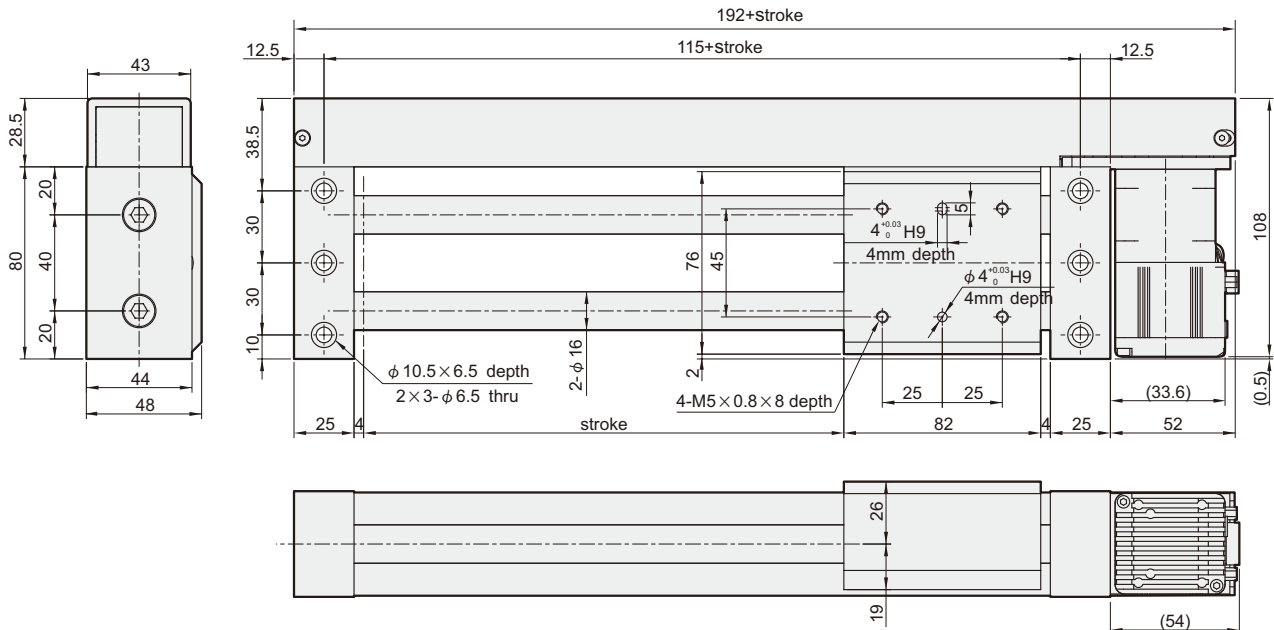
Loading direction



Velocity-Horizontal load



Dimensions

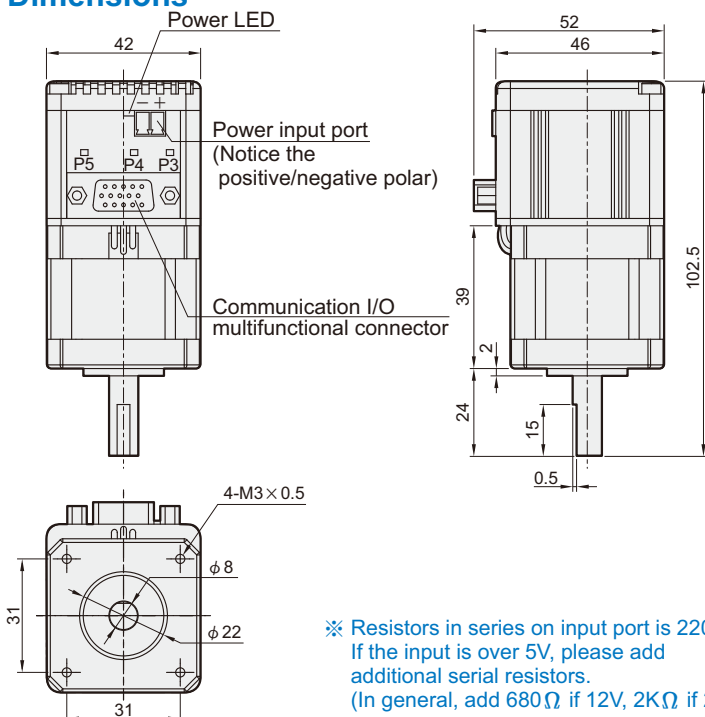


Specification

Motor Size	Servo type three-phase stepper motor	
Power	DC 24V	
Rated current / Max. instant current	4A / 6A	
Rated torque	0.25 N.m	
Cooling type	Natural cooling	
Resolution encoder	Incremental type 10000 resolution/per cycle	
Control mode	Position · terminal control · Modbus communication control	
Position control	Max input pulse frequency	Differential Signaling: Below 500K PPS; Open Collector Signaling: 200K PPS
	Pulsed mode	CW/CCW · Pulse/DIR
	Smoothing filter	Cushion, Trapezoidal velocity profile acceleration /deceleration
	Electronic gear ratio	Electronic gear ratio (A/B) > 1/9999, A/B < 9999
	Registration complete check	0 ~ 999 Pulse
Terminal control	Internal operation instruction	Executing movement command from Windows Terminal
	Scripts edit control	Program input point, programmable set external INPUT ON/OFF signal for positioning.
Interface	RS232(for Windows Terminal) / RS485 / Modbus	
JOG function	Run manually(The speed is according to the parameter of configuration)	
Brake function	Output the control signal of Z-Axis brake, according to the servo ON/OFF status.	
Abnormal function	Servo control stop, positive / negative turn actuation restricted	
Protective device	Over current, over voltage, over temperature, encoder abnormal, low voltage, input pulse over limit, follow abnormal detection.	
Input signal	Servo control ON/OFF, zero point signal, pulse control signal.	
Output Signal	Servo control ready (Z axis brake control signal), location complete, actuation abnormal output (parameter setting).	

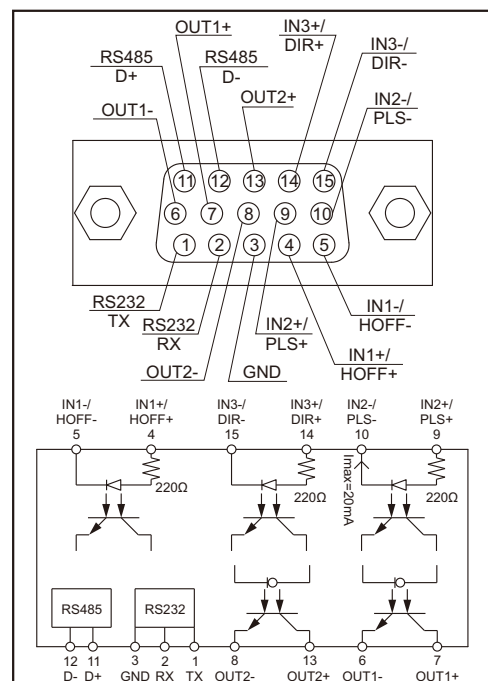
※ Recommend installation environment: Places without moisture, oily dusty, corrosive and flammable liquid. Without floating dusty and metallic particle. Firm and static places without electrical interference, megathermal equipment.

Dimensions

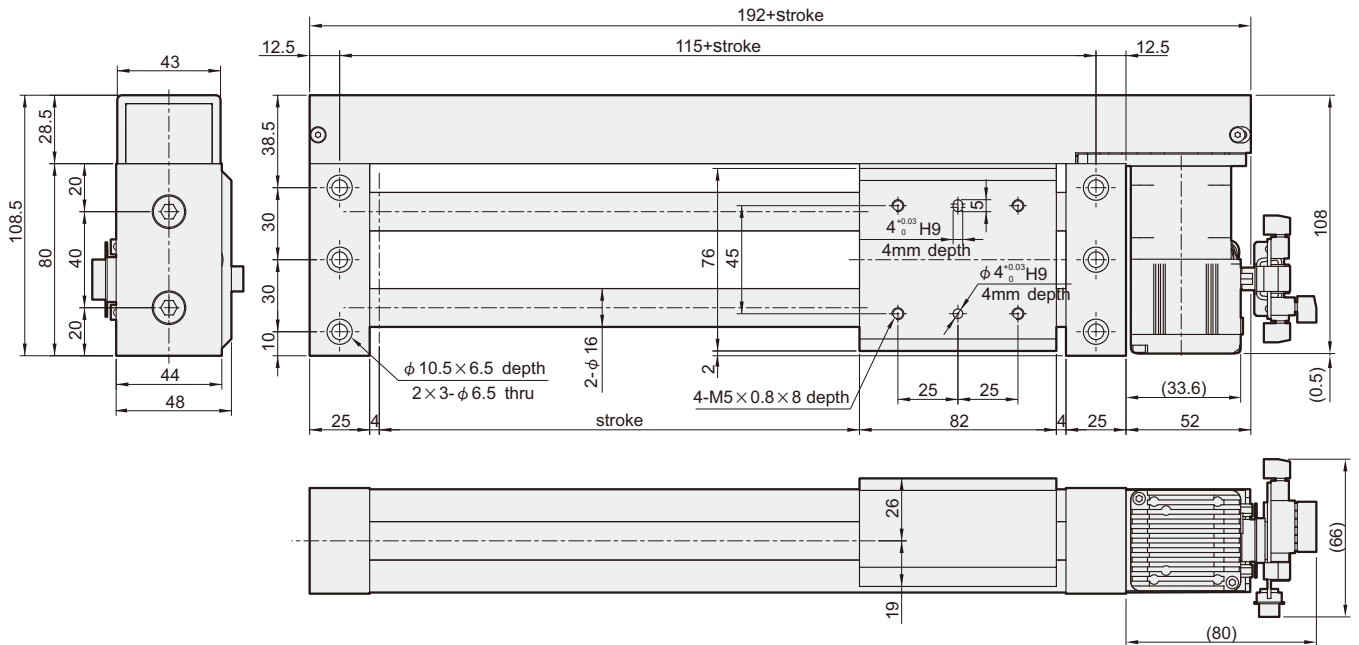


※ Resistors in series on input port is 220Ω. If the input is over 5V, please add additional serial resistors. (In general, add 680Ω if 12V, 2KΩ if 24V)

Definition of three-row 15pin DE-15 connector

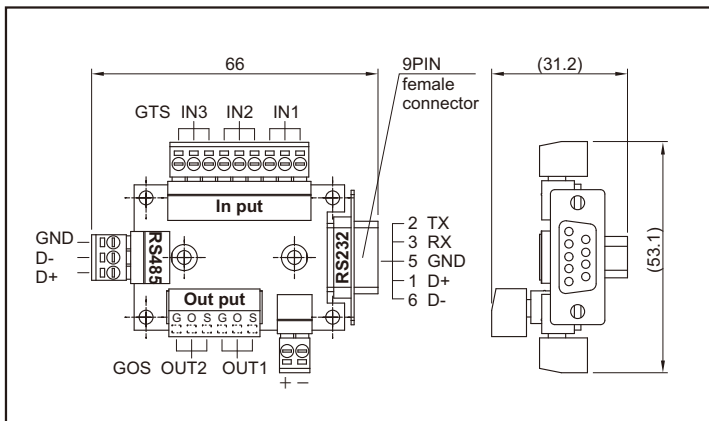


Dimensions(Including expansion I/O card)



Expansion I/O card

Order example



EAT - 1

Expansion I/O card

※ When in control mode, all inputs/outputs are not defined and should be defined by program. (I/O card is optional)

Outputs/inputs circuit diagram

