



Product name:
Three Axis Motion Control System

Product code:
CIVIL-TAM-90-0001



Description

Three Axis Motion Control System

Technical specification

The three-axis motion control system simulates engraving machines and marking process environments, reflecting accurate positioning performances of a stepper motor.

Technical parameters

1. AC Power: Single phase AC220V $\pm$ 10% 50Hz;
2. Temperature: -10 ° ~ 40 °; Humidity: $\leq$ 90% (25 °)
3. Whole capacity: $\leq$ 1.5KVA
4. Screw technical parameters: X-axis Y-axis screw outer diameter ϕ 16, lead 5mm, screw stroke 510mm, total length of the screw shaft 567mm, with SFU01605-4 single nut. Z. screw outer diameter ϕ 16, lead 5mm, screw stroke 160mm, total length of the screw shaft 241mm, with SFU01605-4 single nut.
5. Drive type: CW230 stepper drives Maximum current: 3A, 1.8 ° angle, the largest subdivision 64
6. Dimensions: length $\times$ width $\times$ height = 1500X750X1205mm
7. Safety measures: with ground fault protection, security protection in line with the relevant national standards.

Training content of the three-axis motion control system

- Experiment 1 Mechanical awareness experiments of motion control training model
- Experiment 2 Sensor training of motion control training model
- Experiment 3 Circuit connection training of motion control training model
- Experiment 4 Motion control PLC training

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