

1 AXIS STEPPER MOTOR DRIVE TRAINER 40300

The 1 Axis Stepper Motor Drive Trainer is a practical educational tool designed to teach and demonstrate the control of stepper motors. It features a stepper motor, drive circuitry, and control interfaces, allowing users to learn about motor positioning, speed control, and precision. This trainer is ideal for hands-on learning in fields like robotics, automation, and motion control.

Able to learn : -

- Function and characteristic of Stepper Motor Drive
- Set up, commission, power up and configure of electrical stepper drive system
- Linear speed and position control
- Position detection by encoder
- Pulse control parameter setting
- Sequential control
- Fault findings in stepper drive control system



Required Item : -

- Stepper Motor Trainer Module
- Operation Manual
- Experiment Manual
- PLC trainer kit

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Components: -

No	Component	Qty
1	Power Supply Module DC24V, 5.1A	1
2	DC Motor Driver Module	1
3	1.8 Degree 42x42mm DC Stepper Motor	1
4	1000rpm Rotary Encoder	1
5	Roller bearing linear module	1
6	Safety Limit Switch	2
7	Position Limit Switch	2
8	Indication Lamp module	1
9	Aluminum Profile work base 1000mm x 600mm	1
10	Operation Module (Start/Stop/Estop)	1
11	PLC Controller (Optional)	
12	Human Machine Interface (Optional)	