Product name:	Product code:
Servo Motor Position Control Trainer with Encoder	CMI-NP-2000



Description

Trainer with DC servo motor, potentiometer and encoder feedback for studying closed loop angular positioning. Used to learn P, PI and PID control in positioning systems.

Technical specification

Supply	+/- 15 V DC internal
Power Supply	230 V AC, 50 Hz, single phase
Construction	Powder coated MS frame with laminated work surface and labelled terminals

Standard Accessories

- Patch cord set
- Instruction manual
- Experiment manual

The Servo Motor Position Control Trainer with Encoder is designed for ITI, polytechnic and TVET laboratories. Students command a target angle, adjust controller gains and observe overshoot, settling time and steady state error.

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Features

- Potentiometer and encoder modes
- Command and feedback potentiometers
- P, PI, PID controller card
- Dial scale for shaft angle
- Oscilloscope test points

Technical Specifications

Motor	24 V DC servo, 3000 rpm
Position Sensor	10 turn potentiometer and 500 ppr encoder
Controller	Analog P, PI, PID
Angle Display	Dial 0-360 degree
Gain Range	Adjustable 0-10