| Product name: | Product code: |
| --- | --- |
| Servo Motor Cascade Control Training System | CMI-NP-1995 |




## Description

Training system with nested current, speed and position loops on a servo motor. Teaches how cascade control is configured and tuned from inner to outer loop.

## Technical specification

| | |
|---|---|
| Test Points | 12 nos |
| 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 Cascade Control Training System is designed for ITI, polytechnic and TVET laboratories. Students tune each loop in turn and observe step responses on an oscilloscope to understand the structure of servo drives.

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**Features**

- Separate current, speed, position loops
- Adjustable gains in each loop
- Step and square wave generator
- Motor with tacho and encoder
- Isolated scope test points

**Technical Specifications**

| | |
|---|---|
| Motor | 24 V DC servo, 150 W |
| Current Loop | PI, 0-10 A |
| Speed Loop | PI with tacho |
| Position Loop | P controller |
| Signal Generator | 0.1-10 Hz square wave |