

DC Servo Control Trainer Apparatus (EDC-DS-103)

EXPERIMENTAL DATA:

- Internal and External Speed Control of DC Servo Motor.
- Torque Control.
- Position Control.



DESCRIPTION:

A type of servomotor that uses DC electrical input to generate mechanical output like velocity, acceleration or position is known as DC servomotor.

The apparatus consists of touch LCD for changing the mode of experiment in position, torque and speed. Manual torque is applied using torque assembly.

SPECIFICATIONS:

- Touch LCD for Display and Control.
- DC Servo Controller Installed.
- AC Power Supply.
- Control Inputs.
- Torque Assembly.
- Variable supply +10V DC for Analog Control.
- PID Control.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 500 X 300 X 450 approx.
- Weight: 25 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-DS-103.
- 1 x Instructional Manual.

TECHNICAL DATA:

- Motor Power: 100W.
- Motor Speed: 1000RPM.
- Max Torque: 5Nm.
- Encoder based position assembly.
- Optical Encoder based speed sensor.
- Position control, speed control and torque control of PMDC Motor.

