



Sciencetech 2453 is a DC Position Control System which helps the users to gain invaluable practical experience on the principles and applications of continuous closed loop PID controller, its feedback systems, DC motor position control with the help of a reference signal as input and PID Controller and their response with the help of square wave.

Features

- Position control of a geared DC motor
- Calibrated dials for reference and output position
- Servo Potentiometers with full 360°
- Separate unit for a motor with 2 sided acrylic body
- Square Wave Generator
- Precise Signal Conditioning
- Sensitive, linear, stable and accurate
- Easy to operate

Scope of Learning

To observe the:

- Position control system for different values of angular position commands
- Position control system for different values of the forward gain at different values of angular position commands
- Controller output of the system for different values of the forward gain

Technical Specifications

Square Wave Generator	: 50 Hz
Test Points	: 4 nos
Weight for unit 1	: 1kg (approx.)
Dimension for unit 2 (mm):	L 165X B140X H145
Weight for unit 2	: 800gms (approx.)
Product Tutorial	: Online on www.SciencetechLearning.com
Dimensions (mm)	: W 326 x D 252 x H 52
Power Supply	: 100V - 240V AC, 50/60Hz
Operating Conditions	: 0-40°C, 85% RH
Included Accessories	: Cabinet for Motor Assembly-1no. Cable for interfacing between cabinet and laptop -1no.