



Order Code 52054 DC Position Servo Trainer (Analog & Digital) is designed specifically for the study of DC Servo Trainer and its use in Angular Position control. This Trainer covers the fundamental facts of DC Servo Trainer and its characteristics this trainer makes the student familiar with the DC Angular position control & DC Servo System. Four experiments can be performed by the trainer.

Practical experience on this board carries great educative value for Science and Engineering Students.

List of Experiments:

Following Experiments can be performed:

1. To Study DC Motor Angular Position Servo System
2. Measurement of Dead Zone
3. To Study the different Characteristics of Servo System
 - 3.1 Hunting
 - 3.2 Repeatability
 - 3.3 Noise Free
4. Other Characteristics of Servo System
 - 4.1 Fast Response
 - 4.2 High Accuracy
 - 4.3 High Sensitivity
 - 4.4 Linearity
 - 4.5 Resolution

Features:

The Trainer Consists of following built in parts

01. Servo Mechanism Provided
02. DC Geared Servo Motor
03. Two DPM Provided for Angular Position Display in degree
04. Master & Slave Dial special 360° rotation
05. Master Dial Pot
06. $\pm 12V$ DC at 100mA, IC Regulated Power Supply
07. $\pm 9V$ DC at 250mA, IC Regulated Power Supply
08. A Control Circuitry
09. Mains ON/OFF Switch, Fuse and Neon Indicator are provided
10. Adequate no. of patch cords 4mm length 50cm.
11. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections /observation of waveforms.
12. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

01. Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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