

Control Lab Training Modules

ME 1106 AC Position Control System Trainer

Objective :

- Study the working and principle of 2 phase AC Servo Motor
- Servo Potentiometer for position sensing
- servo potentiometer as an error detector



Technical Specifications :

- In built fixed AC power supply for AC servo motor : 26 VAC & 6VAC
- In built fixed DC power supply: ± 15 VDC & 55 VDC
- Null meter for measurement of angle
- Control Switches : 3 Nos.
- Test Point : 5 Nos.
- Front panel of 400mm x 225mm & mounted on light weight shock proof plastic cabinet
- Circuit diagram printed on panel & all important test points are brought out on front panel
- Power requirement : 220 VAC $\pm 10\%$, 50Hz
- Weight : Kg Approx.
- Dimensions (mm) : 430(L) x 230(B) x 90(H)

Motor Unit

- AC Servo Motor with gear train with 2 phase windings having shaft coupled with loading arrangement & potentiometer

Standard Accessories :

- Motor Unit, Power Chord, Patch Chords & Instruction Manual

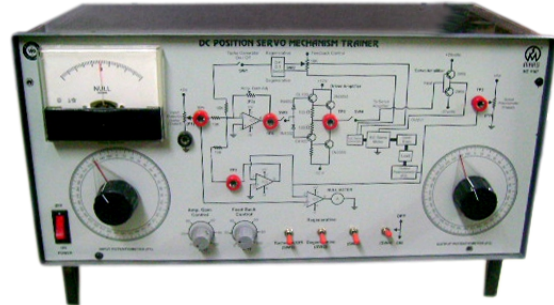
Optional Accessories :

- Digital Multimeter (VC - 97)

ME 1107 DC Position Servo Mechanism Trainer

Objective :

- Study the working and principle of DC Servo Motor
- Servo Potentiometer for position sensing
- servo potentiometer as an error detector



Technical Specifications :

Control Unit

- Inbuilt fixed DC Regulated power supply : ± 12 VDC
- Inbuilt fixed DC supply : 20 VDC
- Null meter for measurement of angle
- Control Switches : 5 Nos.
- Test Point : 5 Nos.
- Front panel of 400mm x 225mm & mounted on light weight shock proof plastic cabinet
- Circuit diagram printed on panel & all important test points are brought out on front panel
- Power requirement : 220 VAC $\pm 10\%$, 50Hz
- Weight : Kg Approx.
- Dimensions (mm) : 430(L) x 230(B) x 90(H)

Motor Unit

- DC Servo Motor having both side shaft. One end coupled with Techogenerator & other end coupled loading arrangement with potentiometer

Standard Accessories :

- Motor Unit, Power Chord, Patch Chords & Instruction Manual

Optional Accessories :

- Digital Multimeter (VC - 97)