

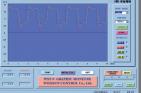
Introduction

- DC Servo Motor Trainer(WST-9) is an equipment to do an experiment for speed operation, position control by PID control. Students can easily understand the basic principle and characteristics of DC servo motor.
- Using computer, students can do experiments for PID control, Analog control and Digital control.



It designed to get the curved line processed on CRT and students are able to save and print the file.

• Angular control system is used for position control and brake system is equipped for constant-speed experiment.



Experimental List

Basic Operations Practice of Servo-Motor

- Basic Operations Practice of Servo-Motor
- Brake Practice of Servo-Motor
- Frequency Response Practice of Servo-Motor

What is PID Control ?

- What is PID?
- Speed Practice of Servo-Motor with PID
- Brake Practice in Speed Practice with PID
- Summing AMP Response Practice with PID

Position Control Practice

- Position Control Practice
- Position Control Practice by Computer Interface

Electrictity Machine Educational Equipment



Specification

- **Power** : 1*Φ* AC
- Computer Interface : RS 232
- Speed and Position Indicating : 2×16 LCD
- Brake : Eddy Current Type
- Control Mode
 - Speed Detector
 - P. I. D. Controller Block
 - Brake Amp Block
 - Computer Interface Block
 - Position Indicating and Monitor Block
 - Potentiometer Block
- Machine Device

- **DC Power** : ± 15V DC
- Meter : Speed, Ampere, Voltage each 1EA
- Summing Amp Block
- Motor Drive Amp Block
- A/D & D/A Converter Block
- Square Wave Generator Block
- Counter Output Block(8 Bit Binary)
- Reset Switch
- DC Servo Motor
 Balancing Position Control System
 Brake
- Style : Portable Type
- Dimension : 650(W) × 300(D) × 520(H)mm

Accessory Expe

- Experimental Manual : 1copy
 Con
 Software(ST MERCURY T09 V3.0) : 1copy
 - by Connecting Cord : 1unit
- Interface Cable : 1unit
- Power Cable : 1EA