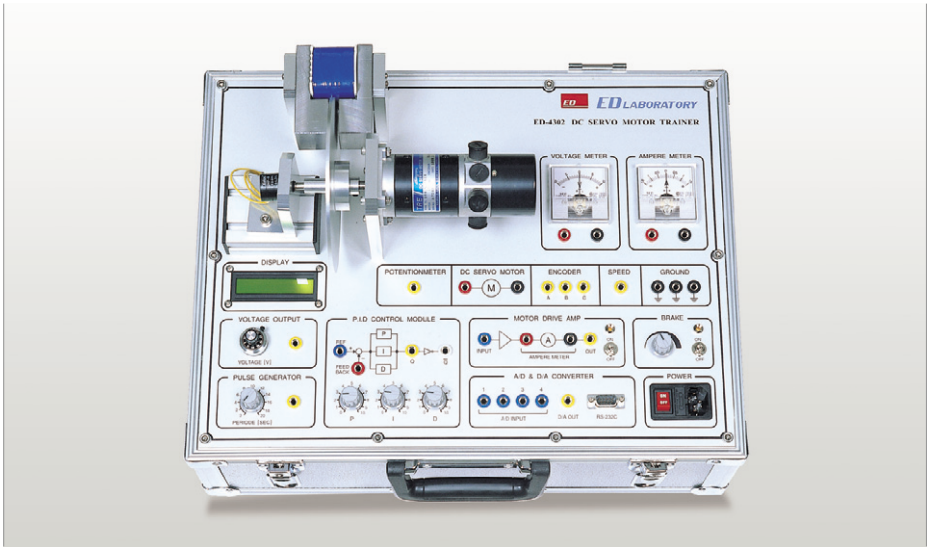
DC SERVO MOTOR TRAINER

ED-4302

- 100W DC Servo Motor with a built-in encoder
- Graphical display of functional block diagram on the surface
- Speed and angle control by step operation and photo sensor
- Display of the rotational speed and angle data using LCD
- PC control and waveform output functions
- Portable type with Aluminum Carrying Case



> EXPERIMENTS

- Principles of Servo Motor's rotation
- Characteristics of P control
- PWM circuit for current control
- Characteristics of PI control
- Control system of Servo Motor
- Characteristics of PID control
- Brake's load characteristics
- Position control by potentiometer's feedback

> SPECIFICATIONS

CONTROL UNIT

- Servo operation by reading in the input per control block
- Speed control by the change of output pulse frequency
- Encoder output and various types of output pulse measurement
- Position and speed control by feedback
- Built-in voltmeter and wattmeter
- Monitors and controls the characteristics of operation by the software
- Measures the motor's load characteristics using a brake

DC SERVO MOTOR

- Rating Output 100W, Built-in Encoder, 0~3000RPM : 1ea

OPERATING UNIT

- PWM constant-current operation
- Controls forward/reverse rotation by the positive supply voltage input
- Complimentary type amplifier with high power for two-way direction control
- A/D Converter (Built-in) : 4 channels
- D/A Converter (Built-in) : 1 channel
- Eddy Current Type Break (built-in)
- Rotary Encoder (built-in Motor)
- 500/Rev.
- Signal Output Terminal (built-in)
- LCD display device indicating the rotational angle and speed

ACCESSORIES

- AC Power Cord : 1ea
- Program CD : 1ea
- User Manual : 1ea