

STEPPING MOTOR TRAINER

ED-4301

- Graphical display of functional block diagram on the system surface
- Real-time monitoring and control by PC Control Program
- LM Guide and Rotary Encoder for position control
- Displays moving distance and angle data using LCD



> EXPERIMENTS

- Position control by step operation
- Position control by continuous operation
- Angle control by step operation
- Angle control by photo sensor
- Characteristics by phase excitation changes
- Dynamic torque characteristics of stepping motor using frequency modulation
- Wave form measurement using oscilloscope
- Speed control by control S/W
- Angle control by simulation S/W

> SPECIFICATIONS

COMPUTER CONTROL

- Step/continuous operation by Control Program
- Direct/reverse rotation operation by Control Program
- Output pulse frequency operation by Control Program
- On-line, real time control by RS-232C

STEPPING MOTOR : 2EA

- 2-phase HB type, unipolar operation, 0~2000PPS
- PWM constant-current driver
- LM GUIDE operation(position control) and Circular Board operation(angle control)
- LM GUIDE(1set)
 - » Ball screw distance : Over 200mm
 - » Protection Circuit By Photo Sensor for exceeding the range

Rotary Encoder

- » 400/Rev, built-in signal output terminal
- » LCD display device(rotation angle and motion step indication)

MANUAL CONTROL

- Step/continuous operation by the values set manually
- Direct/reverse rotation operation by the values set manually
- Output pulse frequency Operation by the values set manually

ACCESSORIES

- PC Software : 1ea
- AC Power Cord : 1ea
- Experimental Manual : 1ea