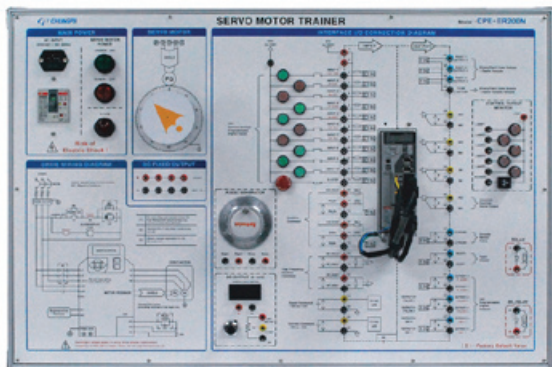


# CPE-ER200

## AC Servo Motor Trainer



### FEATURES

- Equipped with Rockwell Automation CSDJ Plus Servo Drive being widely used in industry
- PC-based control and monitoring through the computer software package

### EXPERIMENTAL CONTENTS

- Basic setting and operation of AC Servo Drive
- How to set parameters of the servo motor
- How to control the sequence of I/O signals and brake control signals
- Operation of the servo motor by the Line Drive Output
- Servo motor operation practices by the operators
- Multiple speed control practices
- Zero-clamp practices
- Torque control practices

### SPECIFICATIONS

<b>Power source</b>	Single-phase AC 220V (-15% ~ + 10%) , 50/60Hz
<b>Control method</b>	PWM control in use of IPM
<b>Encoder</b>	2000 / 2048 / 2500 / 10000 P/R (incremental or absolute)
<b>Ambient temperature</b>	0° ~ +50°C (90% R.H)
<b>Vibration / shock resistance</b>	Vibration: 0.5G / Shock: 2G (1G = 9.8m/s2)
<b>Position (output)</b>	Encoder output: A-phase, B-phase and Z-phase (MC3487 Line Driver)
<b>External input</b>	Servo ON/OFF, proportional control, forward/reverse rotation prevention, and alarm reset
<b>External output</b>	Brake control (in rotation), servo alarm/code (3-bit), speed compliance (speed control mode), position compliance (position control mode), Z-pulse (open collector)
<b>Protective function</b>	Overcurrent, overload, overvoltage, overspeed, overheated inverter, CPU error, malfunctioned encoder, and communication disorder
<b>Dynamic brake</b>	To be activated in case of alarm activation
<b>D/A output (speed)</b>	Setting value (RPM) at ±1V/SET -08 (Max. ±10V)
<b>D/A output (torque)</b>	Setting value (%) at ±1V/SET -09 (Max. ±10V)
<b>External indicator LED</b>	Power ON, Servo Run, Servo Alarm
<b>Operator</b>	<ul style="list-style-type: none"> <li>• Command values such as speed, torque, position and electrical angle</li> <li>• Error values</li> <li>• Feedback values</li> <li>• Offset values</li> <li>• Load inertia ratio</li> </ul>
<b>PC software</b>	All functions of Operator

### STANDARD ACCESSORIES

- Power cord : 1ea
- Connection cable : 1set
- Serial cable (9-Pin, D-SUB) : 1ea
- PC software CD: 1ea
- CSDJ Plus user's manual : 1ea