

## Temperature Control Trainer



### FEATURES

- Hands-on practices using the Temperature Control Trainer
- Interlocking connectivity with a programmable logic controller (option)
- Designed to control temperature using a heater and a fan.
- Digital temperature display (4-digit 7-segment)

### EXPERIMENTAL CONTENTS

- Controlling heater and fan by a manual switch
- Controlling heater by a volume knob
- Controlling heater by Temperature Controller
- Auto tuning for Temperature Controller
- Alarm and transfer output
- Controlling digital input

### SPECIFICATIONS

#### Temperature sensor

- Resistance temperature detector: Pt100Ω
- Measurement range : 0℃ ~ 399℃
- Current output : 4 ~ 20mA

#### Temperature indicator

- 1) 4-digit 7-segment LED display
- 2) Indication of present temperature and setting temperature
- 3) Alteration of the setting temperature by key switch
- 4) Event output
- 5) Current output: 4 ~ 20mA (load: below 600Ω)

#### Heater

- Power capacity: 200W

#### Power control unit

- 1) Control input: DC 1 ~ 5V, DC 4 ~ 20mA
- 2) Continuous control by a volume knob and external contact points
- 3) Phase control & cycle control mode
- 4) "Soft start" function

#### Fan

- Operable by DC 24V

#### Operational indicator lamp

- Heater and fan

#### Current indicator lamp

- Heater current indicator analog meter
- FS 2A

### STANDARD ACCESSORIES

- Power cord: 1 ea
- Connection cable: 1 set
- Spare fuse: 2ea
- User's guide manual: 1ea

### OPTIONS

- Portable PLC Trainer
  - Suggested model: CPS-3710
  - Other types of PLC system can be provided upon request