![PTS Combination logo]

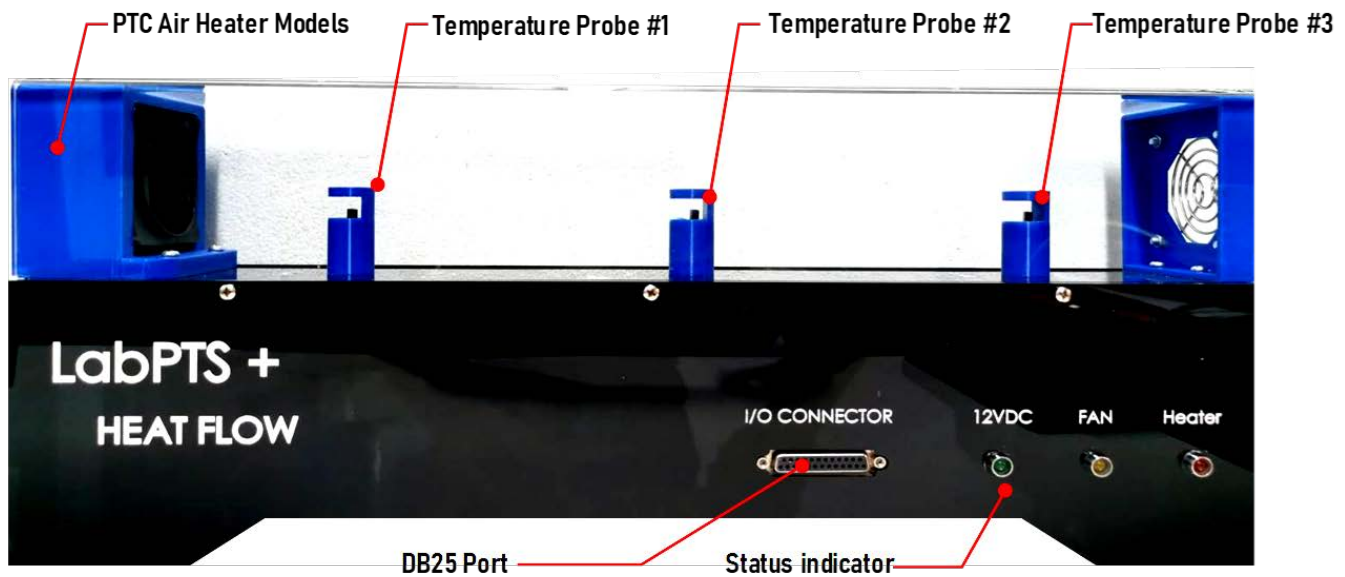# TEMP PROCESS CONTROL SYSTEM LAB KITS V1.0

| for Education in Embedded Control System Fields

PTC Air Heater Models   Temperature Probe #1   Temperature Probe #2   Temperature Probe #3

LabPTS +
HEAT FLOW

I/O CONNECTOR   12VDC   FAN   Heater
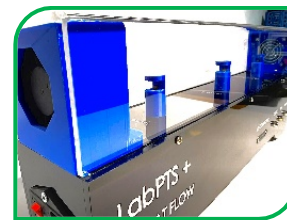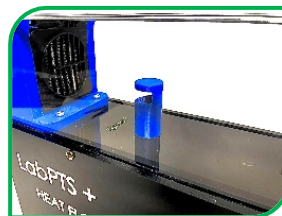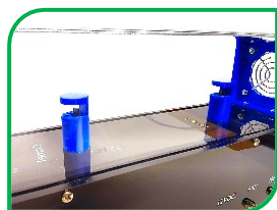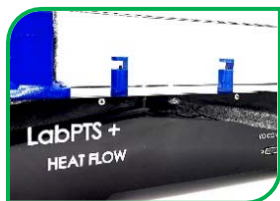
DB25 Port   Status indicator

FEATURE DETAIL

- Temp Process Control System Lab Kits V1.0 is designed as add-on for co-working with the xMCU development board V1.0 so suitable undergraduate degree or vocational/diploma education.
- Cover the lesson comprehensive to Open loop control, Closed loop control such as on/off Control, Hysteresis Control, Conventional PID control, Fuzzy Logic Control.
- Easy to use, the pin's function modules are reserved by not wiring so just the coding and then upload into development board.
- Support for Arduino IDE, LabVIEW, MATLAB/Simulink Software development and other (due to microcontrollers/processing unit series).
- The package is made from PVC material so portable, compact size, lightweight and dimension 200x500x100 mm.

ACCESSORIES LAB KITS

- HVAC Control System Lab Kits V1.0
- AC Power Cable.

- Arduino IDE Software (Open source).
- C-Code Example (Only Arduino).
- Worksheet Document.

TEMP PROCESS CONTROL SYSTEM LAB KITS V1.0

| for Education in Embedded Control System Fields

SYSTEM CONFIGURATIONS	Description	Remark
- **Power consumption**	70W	
- **Operating Supply Voltage**	12 VDC	
- **Driver**	PWM	N/A
Blower		
- **Motor**	DC Fan motor with grille	
- **Operating Supply Voltage**	12 VDC	
- **Speed**	0-5V	N/A
Sensor		
- **Temperature sensor**	Analog type	
- **Quantity**	3 points	N/A
- **Range**	Celsius	
Other		
- **Material**	Acrylic	N/A
- **Indicator**	3 status Indicator (Power, Fan, Heater)	