

BSP17.exl  
Revision No: 10  
Date: March 25, 2024

## TEMPERATURE CONTROL SYSTEM

MODEL: BSP17



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### FEATURES

- Compact and sturdy construction
- Easy and versatile operation
- Self contained system
- Incorporates standard industrial components
- Comprehensive instrumentation

### DESCRIPTION

Temperature control system is designed to demonstrate various aspects of control engineering using a temperature-controlled system. Electrical oven or hot water bath is used as process. Temperature of this oven/water bath is controlled using a PID Controller. The system incorporates standard industrial components.

### INSTRUCTION MANUAL

Self-explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

### LIST OF EXPERIMENT

1. Manual two step control
2. Study of P, PI, PD, PID Control
3. Study of sensors
4. Study of feedback control system

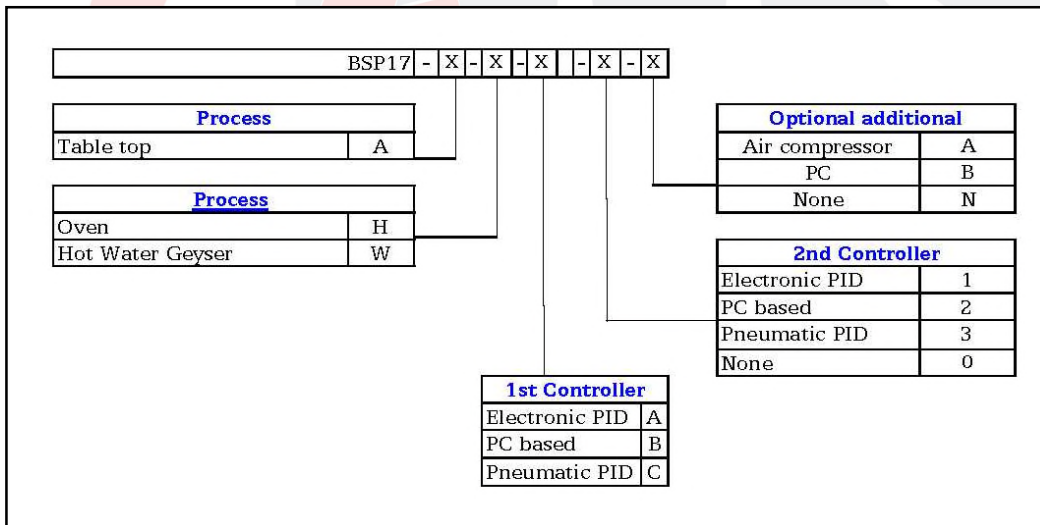
### COMPONENTS

Components	BSP17H	BSP17W
Sump Tank	No	Yes
Hot water geyser	No	Yes
Air Heater	Yes	No
Pump	No	Yes
Temperature Sensor Transmitter	Yes	Yes
Heater Controller Unit (HCU)	Yes	Yes
Electronic PID Controller <small>(SEE MODEL SELECTION)</small>	Depends On Model Selection	
Interface Card & Software <small>(SEE MODEL SELECTION)</small>	Depends On Model Selection	

### SERVICES REQUIRED

- Electric supply
- Water supply and drainage arrangement

### MODEL



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(1) Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice  
 (2) Photographs are indicative only.