

# ELECTRIC TEMPERATURE BATH



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# Operating Manual for Temperature Bath

Electric Operated Temperature Bath contain: -

- 1) 20" Insertion Pipe For Master & Test Sensor
- 2) Temperature Controlling Display Indicator
- 3) Heat Rate Control Knob
- 4) Test/Master Temperature Indicator
- 5) Selector switch for Test/Master Indication

Switch On the Bath

Connect the master Thermocouple at connector strip

Also connect the Sensor to be calibrated at connector strip

If the test sensor is RTD PT 100, J,K, E or N type than select the type of sensor in Test/Master Indicator according that by using PID Controller's Manual

Use master sensor according the selected type of sensor to be tested in Test/Master Indicator.

Set the value temperature need to achieve in Temp Indication Control by using the manual of PID controller



Set the heat rate control by using provided fine tuning control Knob at Front Panel



If the desire temperature is less than 100 Deg C than simply on the knob, & put the knob in minimum position

If the desire temperature is up to 300 Deg C than the put the Heat Rate Control Knob near to 3.

Above than 300 Deg C & up to 500 Deg C than put the knob near to 4.

More than 500 Deg C & up to 750 Deg C put knob near to 5.

Wait till the set value of temperature will achieve in Temperature Control Indicator

Than put Master sensor in provided insertion pipe

Also put the TEST sensor in other pipe

Kindly check the value of master shown in Test/Master Indication

That also read the value of TEST Sensor by select the Provided Test/Master Selector Switch



This way you can calibrate the sensor

For achieve the desire temperature you can control the speed of exceed the temperature by using Heat Rate Control Knob.



For Set the parameter in PID Controller use the Manual provided with the bath.

**Note:-** Kindly wait till the temperature stabilize in Temperature control Indicator Than start the calibration.