

## **High Precision Heating Thermostatic Bath**

### **For Calibration**

**(BHTS Series| Ambient Temperature~300℃)**



### **Product Description**

BHTS Series high precision thermostatic oil bath is a high precision thermostatic tank developed for customers with high uniformity requirements, the temperature field uniformity is up to 0.01℃. Small and delicate in shape and weight. Suitable for taking away or putting on the laboratory table. LCD display, easy to operate. It adopts the refrigeration system of imported fully enclosed compressor and intelligent PID adjustment to realize automatic temperature control and stable performance. **It can be used by metrology department to check and calibrate standard mercury thermometers, beckman thermometers and industrial platinum thermal resistance.**

## Product Features

1. Wide temperature range: ambient temperature to 100℃, ambient temperature to 200℃, ambient temperature to 300℃ according to your needs.
2. The computer system is convenient to correct the error between display temperature and actual temperature, and the resolution of temperature correction is up to 0.001 C.
3. Suitable for both water and oil bath.
4. PID temperature control technology, the optional volatility is  $\pm 0.01$  ℃.
5. High quality resistant stainless steel liner with volume from 7.5l to 50L is available.
6. With internal and external circulation, the secondary thermostatic field can be established to extend the scope of application.
7. Big screen LCD display, easy to operate.
8. Over temperature protection system with alarm and automatic cut-off.
9. RS232 or RS485 communication interface is optional and can realize the remote control.
10. The inner groove can be equipped with lifting bracket to adjust the height of special experimental samples.

## Application

The high precision calibration thermo bath is suitable for measuring and calibrating physical parameters in measurement, biochemistry, petroleum, meteorology, energy, environmental protection, medicine and other departments and manufacturers of thermometers, temperature controllers and temperature sensors. It can also provide constant temperature source for other experimental research work. Example 1. Second-class standard mercury thermometer, beckman thermometer, industrial platinum thermal resistance, standard copper-constantan thermocouple verification, etc.

## Technical Specification

| Model   | Temperature Range ℃ | Temperature Volatility ℃ | Digital Resolution (℃) | Temperature Uniformity (℃) | Tank Lid Size (mm2) | Tank Depth (mm) | Volume (L) |
|---------|---------------------|--------------------------|------------------------|----------------------------|---------------------|-----------------|------------|
| BHTS-06 | RT+15~100           | ±0.005~0.01              | 0.001                  | ±0.005~0.01                | 180×150             | 150             | 6          |

|           |            |             |       |             |         |     |    |
|-----------|------------|-------------|-------|-------------|---------|-----|----|
| BHTS -10  | RT +15~100 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 180×150 | 200 | 10 |
| BHTS -15  | RT +15~100 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 235×180 | 200 | 15 |
| BHTS -20  | RT +15~100 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 235×180 | 300 | 20 |
| BHTS -30  | RT +15~100 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 310×280 | 230 | 30 |
| BHTS-06A  | RT +15~200 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 180×150 | 150 | 6  |
| BHTS -10A | RT +15~200 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 180×150 | 200 | 10 |
| BHTS -15A | RT +15~200 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 235×180 | 200 | 15 |
| BHTS -20A | RT +15~200 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 235×180 | 300 | 20 |
| BHTS -30A | RT +15~200 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 310×280 | 230 | 30 |
| BHTS-06B  | RT +15~300 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 180×150 | 150 | 6  |
| BHTS -10B | RT +15~300 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 180×150 | 200 | 10 |
| BHTS -15B | RT +15~300 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 235×180 | 200 | 15 |
| BHTS -20B | RT +15~300 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 235×180 | 300 | 20 |
| BHTS -30B | RT +15~300 | ±0.005~0.01 | 0.001 | ±0.005~0.01 | 310×280 | 230 | 30 |

## Service

1. 12 months warranty for thermostatic instrument.
2. Technical support is also available timely.
3. Reply your enquiry within 24 working hours.
4. OEM is available if the quantity is large.
5. Package and shipping worldwide.