

Calibration Cooling Thermostatic Bath

(BRTS-A Series| -80~95℃)



Product Description

BRTS-A series calibration bath is a high-precision cooling verification device with high temperature control precision and good temperature field uniformity. It is suitable for the verification and calibration of physical parameters in various departments of metrology, biochemistry, petroleum, meteorology, energy, environmental protection and medicine, as well as manufacturers of thermometers, temperature controllers and temperature sensors.

Product Features

1. Temperature control system adopts PID temperature control technology, precision can reach 0.01 °C.
2. Air - cooled compressor is adopted for refrigeration with high speed and low noise.
3. Standard calibrated cartridge for thermometer, platinum resistance, thermocouple, etc
4. Inside groove adopts arc lateral mixing structure, the structure design of precision and enhance the uniformity of the temperature field, can reach 0.01 °C.
5. RS232 or RS485 communication interface can be optional to realize data transmission with PC or PLC, remote control.

6. Standard calibrated cartridge for thermometer, platinum resistance, thermocouple, etc.
7. The refrigeration system has the protection of over heat and over current, the control system has the alarm of over temperature, the upper and lower limit of over temperature alarm temperature can be set, and the load can be cut off automatically.
- 8.

Application

The Cooling calibration bath thermostat is suitable for all departments of metrology, biochemistry, petroleum, meteorology, energy, environmental protection, medicine, etc., and manufacturers of thermometers, temperature controllers, temperature sensors, etc., to test and calibrate physical parameters. It can also provide thermostatic source for other experimental research work. Examples: grade I and II standard mercury thermometers, Beckman thermometers, industrial platinum thermal resistance, standard copper-constantan thermocouple verification, etc.

Model	BRTS-0A	BRTS-20A	BRTS-40A	BRTS-60A	BRTS-80A
Temperature Range (°C)	0 ~ 95	-20 ~ 95	-40 ~ 95	-60 ~ 95	-80 ~ 95
Temperature fluctuation (°C /30min)	±0.01	±0.01	±0.01	±0.01	±0.01
Temperature uniformity (°C)	0.01	0.01	0.01	0.01	0.01
Display resolution	0.001	0.001	0.001	0.001	0.001
Tank Size (mm3)	φ 130×480	φ 130×480	φ 130×480	φ 130×480	φ 130×480
Rise and fall time(min)	≤120	≤120	≤120	≤120	≤120
Power (kw)	1.8	2.0	2.5	3.0	3.5

Shape size (mm)	750×550×1200	750×550×1200	750×550×1200	840×580×1300	840×580×1300
Net Weight (kg)	80	100	120	150	150
Power Supply (V/HZ)	220/50	220/50	220/50	220/50	220/50
Medium	Low temperature: Anhydrous ethanol 5°C-95°C : soft water	Low temperature: Anhydrous ethanol 5°C-95°C : soft water	Low temperature: Anhydrous ethanol 5°C-95°C : soft water	Low temperature: Anhydrous ethanol 5°C-95°C :soft water	Low temperature: Anhydrous ethanol 5°C-95°C :soft water

Technical Specification

Service

1. 12 months warranty for thermostatic instruments.
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.