

Mini Size Portable Calibration

Thermostatic Bath

(BRSD Series| -40~95℃)



Product Description

BRSD series MINI portable calibration bath is a kind of high-precision automatic control temperature verification device developed for on-site measurement verification of customers, which is small in size, light in weight, convenient to carry and suitable for customers to work on the site. The fast rising and cooling rate greatly improves the work efficiency of customer's on-site metrological verification. 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. It cools quickly (from room temperature to -40 ° c for about 30-40 minutes)
2. Light in weight (10Kg lighter than a regular portable thermostat). Suitable for onsite calibration.
3. Temperature control system adopts PID temperature control technology, precision can reach 0.01 °C.
4. Air - cooled compressor is adopted for refrigeration with high speed and low noise.
5. Standard calibrated cartridge for thermometer, platinum resistance, thermocouple, etc
6. The arc side stirring structure is used in the inner groove. The structure design is precise and can enhance the uniformity of temperature field up to 0.01°C
7. RS232 or RS485 communication interface can be optional to realize data transmission with PC or PLC, remote control.
8. Standard calibrated cartridge for thermometer, platinum resistance, thermocouple, etc.
9. 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.

10.

Application

The mini size portable carlibration thermostatic bath is suitable for measuring and calibrating physical parameters in various departments of metrology, biochemistry, petroleum, meteorology, energy, environmental protection, medicine 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 Features

Model	BRSD-40
Temperature Range (°C)	-40 ~ 95
Temperature fluctuation (°C/30min)	±0.01
Temperature uniformity (°C) (The level temperature field)	≤0.01
Temperature uniformity (°C) (The vertical temperature field)	≤0.02
Working tank Size (mm3)	Φ50×250
Volume (L)	1.5
Power (Kw)	0.5
Shape size (mm3)	280×300×340
Net Weight (kg)	16
Power Supply (V/HZ)	220/50
Medium	Low temperature: Anhydrous ethanol 5°C-95°C : soft water

Technical Specification

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.