Servicebio®

User Manual

Tissue Flotation Bath

SWE-JK5

Please read the user manual carefully and keep it properly before using the product for future reference

Wuhan Servicebio Technology Co., Ltd.

CONTENTS

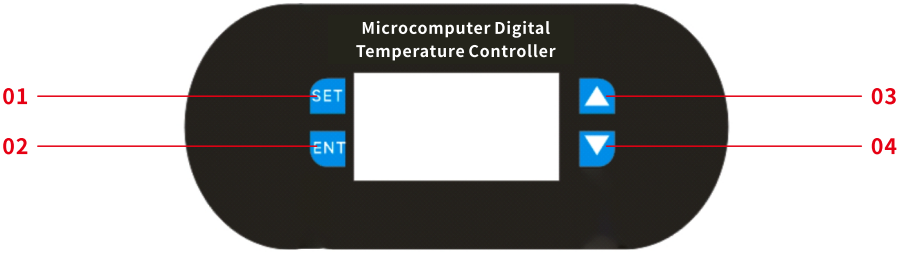
01 Technical Parameters

First of all, thank you for choosing our product. This product incorporates advanced modern heating technology, featuring compact size, simple operation, accurate temperature measurement/control, and strong anti-interference capability. It is suitable for most users in various environments as a fully automated intelligent control system for heating equipment. The heating mode can be set via the menu, and the configured parameters are permanently stored even after power loss.

The service life of the Tissue Flotation Bath is 6 years.

Temperature Control Range	Adjustable 0~120°C
Temperature Control Accuracy	1°C
Display Accuracy	0.1°C
Temperature Differential	Adjustable 0.1~30°C
Temperature Calibration	+10~-10°C
Delayed Start	0~10 minutes
High-Temperature Alarm	0~120°C
Data Lock	Yes
Data Save	Yes
Restore Factory Settings	Yes
Flattening Volume	2000mL
Flattening Dimensions	230×180×53mm
Overall Dimensions	300×350×105mm
Power	300W
Power Supply Voltage	10A/AC220V
Operating Environment Temperature	-20°C~70°C

02 Panel Diagram



01	Set Key	02	Reset Key	03	Up Key
04	Down Key				

03 Operating Instructions

To control the heating equipment, for example, if you need to stop heating at 30°C and start heating at 25°C, follow these steps:

1.Under normal temperature display, press the SET key once. The setting number will flash. Then press the Up ▲ or Down ▼ key to adjust the number to 30°C. Press the ENT key once to confirm and return;

2.Under normal temperature display, press and hold the SET key for 5 seconds. The temperature control page will display "PO" (mode code). Press the SET key once to enter the PO code parameter setting interface. Use the Up ▲ or Down ▼ key to adjust to "H" mode. Press the ENT key once to confirm and return;

3.Under normal temperature display, press and hold the SET key for 5 seconds. The temperature control page will display "PO" (mode code). Press the Up ▲ key to switch to "P1" code (differential). Press the SET key once to enter the P1 code parameter setting interface. Use the Up ▲ or Down ▼ key to adjust the parameter value to 5. Press the ENT key once to confirm and return;

4.After completing the above settings, the working mode will be: stop heating at 30°C and start heating at 25°C. For other temperature settings, please refer to the above method.

04 Menu Code Table

Code	Code Description	Setting Range	Factory Default	Unit
P0	Heating/Cooling	H/C	C	无
P1	Differential	0.1~30	2	℃
P2	Maximum Setting Limit	+120	120	℃
P3	Minimum Setting Limit	-55	-55	℃
P4	Temperature Calibration	+10~-10	0	℃
P5	Delayed Start	0~10	0	Minutes
P6	High-Temperature Alarm	-55~120	OFF	None
P7	Data Lock	ON~OFF	OFF	None
P8	Restore Factory Settings	ON~OFF	OFF	None

Delayed Start: This function is generally used for compressor cooling. If this temperature controller is used for refrigerators or freezers, this value must be set. Depending on the compressor's back pressure, it is usually set to 3~6 minutes. If the controller is not used for a compressor or the delay function is not needed, set this value to 0.

High-Temperature Alarm: Set the high-temperature alarm value. When the actual temperature exceeds this value, the screen and buzzer will simultaneously alert, and the output will be cut off to protect circuit safety. The alarm is indicated by "H" "H" "H" on the screen, and the buzzer emits a "beep" "beep" sound.

Data Lock: If there is a need to protect important settings and prevent unauthorized modifications, set P7 to "ON" after configuring the parameters. Once set, the temperature and internal parameters cannot be modified unless P7 is set back to "OFF".

Restore Factory Settings: If the settings are incorrect or a malfunction occurs, set P8 to "ON" to restore factory settings. Alternatively, press and hold the Up ▲ or Down ▼ key while powering on to restore factory settings.

Temperature Setting: After powering on, the temperature controller displays the actual temperature. Press the SET key once to make the screen flash, then use the Up ▲ or Down ▼ key to adjust the temperature.

Press and hold the SET key for 5 seconds to enter system settings. After completing the settings, press the ENT key to confirm and return. During normal operation, press and hold the ENT key to shut down.

Working Mode: This value must be set when using the temperature controller for the first time. Set it to "H" for heating or "C" for cooling.

Differential Setting: The differential is the difference required for the temperature controller to resume operation after reaching the set temperature and stopping. For example, if the heating mode is set to 37~40°C, the differential is 3°C.

Setting Limit High/Low: This function sets the temperature limit range but does not affect the temperature setting. Normally, the temperature controller's setting range is -5~120°C. If a smaller range is desired, use this function to narrow the setting range. For example, if P2 is set to 50, the temperature controller's setting range will be limited to 20~50°C.

05 Precautions

1.To prevent high-frequency interference, do not bundle the sensor cable with the power cable or load equipment cable during installation. Route them separately;

2.The power supply voltage must match the labeled voltage of the host, with a deviation of no more than ±10%. During installation, strictly distinguish between the sensor, power cable, and load output interfaces;

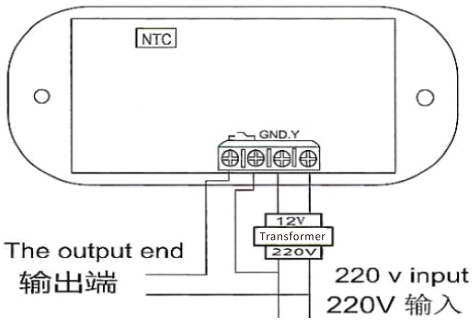
3.The temperature controller host should not be installed in places where water may drip or where it is easily accessible by children or the elderly;

4.After wiring, check the circuit for correctness before powering on to avoid damaging the temperature controller or load equipment. After installation, use the provided protective cover to shield the device.

06 Installation Wiring Diagram

During installation and wiring, ensure that the load's operating voltage matches the labeled voltage of the temperature controller. Otherwise, do not follow this diagram for wiring.

Control 110V/220V Wiring Method



07 Packing List

No.	Item	Quantity
1	Tissue Flotation Bath	1
2	Fuse (5A)	2
3	Power Cable	1
4	User Manual	1
5	Product Qualification Certificate	1
6	Packing List	1

Servicebio®

Wuhan Servicebio Technology Co., Ltd.

4006-027-178

www.servicebio.com

5th Floor, 22 Building, Biopark, No. 388 Gaoxin 2nd Road, East Lake High-tech Developing Zone, Wuhan, Hubei,China