Kalstein®

Water Bath

YR449

Instruction Manual

Thank you very much for purchasing our Water Bath YR449.

Please read the “Operating Instructions” and “Warranty” before operating this unit to assure proper operation. After reading these documents, be sure to store them securely together with the “Warranty” at a hand place for future reference.

 Warning: Before operating the unit, be sure to read carefully and fully understand important warnings in the operating instructions.

Content

I. Brief Introduction

YR449 Model Tissue Bath Processor is one of the sets of pathological instruments. The advanced controlling-microprocessor and the new calorific material have been applied to this Instrument to make it an advanced one both abroad and at home. It is novelty in form, precise in structure, stable in performance and easy for operation. It also possesses the feature of small in size and light in weight. It is a practical instrument for pathological study and teaching for hospitals, medical schools, scientific research institutes and food quarantine and inspection organizations.

Ⅱ. Functions and features

1. The new PTC calorific material has been used to make it heat up quickly and heated equally, small in the heat inertia for energy-saving.

2. The temperature survey integration block from American DALLAS Corporation has been used to make it precise in temperature survey and credible in performance.

3. The odd controlling-microprocessor from American ATMEL Corporation has been used to make it easy to set up temperature and the LED digital display to make it accurate and intuitionistic to the temperature.

4. It possesses the function of memorization to keep the set temperature automatically after startup.

Ⅲ. Main technical parameters

1、Volume of Slice-Bathing pan：240 ㎜×180 ㎜×54mm

2. Range for setting temperature：room temperature to 90℃

Temperature control accuracy：±1℃

3、Voltage： AC 220±10% 50Hz

Power： ≤550 W

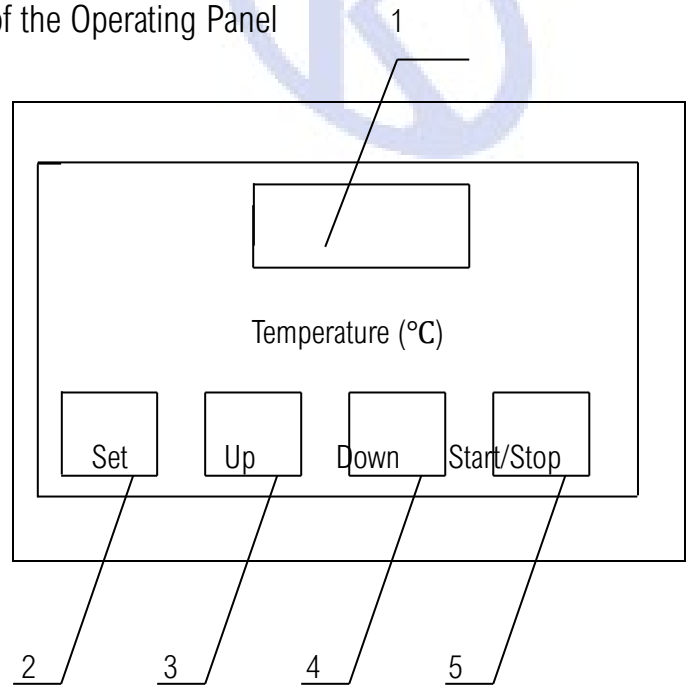
Ⅳ. Sketch of the Instrument

（Picture 1）Sketch of the Instrument

1、Bath　　2、House　　3、Panel

Ⅴ. Sketch of the Operating Panel and Its Functions

1). Sketch of the Operating Panel



（Picture 2）Sketch of the Operating Panel

1、Temperature Display Screen.　2、Temperature Set.　3、Temperature Up Controller.　4、Temperature Down Controller.　5、Startup/Stop Controller.

2). Functions of the Key Controllers

1. Set - For setting the temperature of the water bath.
2. Up - For adjusting the rising of temperature
3. Down - For adjusting the lowering of temperature
4. Start/Stop - First for Startup, Second for Stop.

Ⅵ. Ways for Operations

1. Pour water into the bath to 3/4 of the volume.
2. After getting through the electric supply, turn on the switch.
3. The temperature should firstly be set, and the operation is as follows：

Turn on the power switch and press the "Set" key. P×× will be shown on the screen, press the key of "Up" or "Down" to adjust the necessary temperature. The temperature displayed is the temperature set. The set temperature will be automatically deposited into the computer chip. Press the "Start/Stop" key, the actual temperature of the water bath will soon be displayed on the Screen. When C×× is displayed on the screen, it means the machine is at the working state.

1. If no change for the set temperature, press the "Start/Stop" key to start working.

Direction：

P□□ P for setting temperature

C□□ C for working temperature, the instrument is at the state of working.

□□ for current temperature, the instrument is at the state of stopping working.

Ⅶ. Attentions

1、Before working, ensure that there is enough water in the Water bath.

2、It's dangerous to spatter water into the instrument, be careful to pour water into the Water bath.

3、When in performance, ensure that the grounding works well.

4、The key on the panel should be pressed gently, avoid heavy press.

5、The instrument should be placed horizontally and in the ventilated place, and keep it far from heat source.