User Manual of 85-2 Magnetic stirrer

I. Introduction

Equipped with premium AC motor, our heated magnetic stirrer is a reliable equipment with stepless adjustable spinning speed. It has not only a stable stir efficiency, but also has reliable digital temperature adjustment function. In addition, via the temperature control knob, as well as an external temperature sensor, users can obtain a more accurate temperature performance. It's an economical, practical, accurate and durable magnetic stirrer. It is a high-quality equipment that every laboratory should set up one.

II. Specifications

Power: AC 220~240V 50Hz
Wattage: 200W
Speed range: 0-2,400 RPM
Heating range: room temperature to 100℃
Stirring capacity: 1,000ml/33.8 fl oz.

III. Instructions

Instrument features
Intelligent touch sensitive operation design, novel appearance, and convenient use.
The set temperature parameters and speed control parameters can be viewed and modified.
Temperature control and speed control are both independent channels that can be used separately or simultaneously.
Sensors of the same type are interchangeable and have no installation direction.
Advanced manufacturing technology and exquisite appearance design.
Split block unit design, quick and convenient installation, replacement, and maintenance.
□ Installation warning
Please read this user manual carefully before installation and keep it properly for future reference.
Verify the technical conditions for installation and confirm that the product meets the technical requirements.
Errors or failures may occur during the use of the instrument, leading to system malfunctions. Installation is required
Protect the circuit to prevent such accidents from occurring.
Do not use this instrument in the following places: flammable and explosive gases, corrosive gases or vapors
The place where emissions occur has strong electromagnetic interference and strong shock vibration.
The use of instruments should avoid the following places: places where chargers are working, and places with unstable voltage
Fang, places with high-power inductive loads and places where electric sparks are released.
This product is a regular temperature control instrument. Someone needs to be on

duty during instrument operation. Please conduct regular security checks and accuracy.

1、 Installation conditions and instrument technical indicators

Measurement range: 0 ℃ -99.9 ℃

Measurement error is ± 0.5% FS for temperatures between 5-70 ℃ and ± 2.5% FS for temperatures above 90 ℃

Voltage range 185-240VAC/50HZ, or 86-265VAC (optional)

Working environment: 0 ℃ -50 ℃, relative humidity: 35% -85%

Output mode temperature control: thyristor speed control: high-power transistor (within 3W)

Operation mode: button based temperature regulation, knob based speed regulation by percentage

Measurement correction -4.9 ℃ -+4.9 ℃

Hole size XMTD type 68mm × 68mm

2、 Operating instructions

1. Set temperature: Press the SET key to set and view the temperature setpoint. Press the SET button and the digital display character will start flashing. At this point, the instrument will enter the set state. Press the △ button to increase the set value, and press the ▽ button to decrease the set value. Long press the △ button or ▽ button to quickly change the data. Press the SET button again and the instrument will return to normal working state. After the temperature setting is completed, the instrument will return to normal working state

2. Speed adjustment: Rotate the knob to adjust the motor speed. Turning left is deceleration, turning left to the end is stalling, turning right is acceleration, and turning right to the end is the highest speed.

3. Correction of temperature error: When confirming that the value displayed on the instrument is not the correct measurement value, the displayed value can be corrected. Press the SET key for 3 seconds to enter the inner menu of the instrument panel. The first parameter that appears and flashes is E00, which is the advance quantity. Press the SET key again to display and flash the parameter, which is the error correction parameter. Use the △ or ▽ keys to modify this parameter. The range of error correction is -4.9 ℃ to+4.9 ℃. After the correction is completed, press the SET button twice to exit. The correction value of the instrument is 0.0 when it leaves the factory, and precautions should be taken when using it

Correct the instrument that displays correctly to incorrect.