

## LCD Digital 7' Square Hotplate Magnetic Stirrer

### Installation Instructions

1. Unpack and place the magnetic stirrer on a stable and temperature resistant surface.
2. Ensure good working environment free of explosive, hazardous and inflammable substances.
3. Place the stirrer at >10cm distance from the wall and other units if using multiple units together.
4. Keep away from the effect of high magnetic fields.
5. Do not cover the device. Ensure that the main power supply cable does not touch the hotplate.
6. Ensure that label indicated the correct voltage before connecting the device to power supply.
7. Do not operate the unit with a damaged power cord.
8. Connect the power cord to the unit in the socket provided.
9. Switch power ON and the instrument starts to self-check.

### External Sensor Installation

1. Install the sensor support on the instrument.
2. Connect the external sensor in the port provided at the back of the unit.
3. Fix sensor on the support and adjust the position.
4. Put the external sensor probe into the vessel on the hotplate.
5. Ensure that the tip of the sensor is at least 5-10mm away from the bottom of the vessel.

### Operating Procedure

1. Switch Power ON, the instrument will start to self-check.
2. Mount a vessel with stirring liquid and suitable stirring bar on to the work plate.
3. Put the external sensor into the liquid if needed.
4. Temperature and stirring speed can be set using the two control knobs below the display panel.
5. **Set the target temperature and start heating:**
  - A. Set the temperature by rotating the temperature control knob **Heat** slowly to desired setting.
  - B. The set value is confirmed and heating is switched "ON" by pressing the temp. Control knob.
  - C. The LCD displays the temperature value on the left-hand side during heating.
  - D. The heating function is switched "OFF" by pushing the same temperature control knob again.
6. **Set the target stirring speed and start stirring:**
  - A. Set the target speed by rotating the speed control knob **Stir** slowly to desired setting.
  - B. The set value is confirmed and stirring is switched "ON" by pushing the stirring control knob.
  - C. The LCD displays the target speed value on the right-hand side during stirring.
  - D. The stirring function is switched "OFF" by pushing the same stirring control knob again.