

Model 802 Heating Magnetic Stirrer

User's Guide

Model 802 heating magnetic stirrer (referred as “the instrument” below) adopts heat resistant engineering plastic housing. The instrument is easy to use with nice shape, suited for heating stir of solution sample in small volume. It's the necessary instrument for various laboratories and especially suited for education and research institution. The instrument has the following outstanding features:

- Integrated design of heating panel and instrument housing, heating panel adopts model 316 mirror surface stainless steel plate, small and nice, outstanding for resistance to pollution and chemical corrosion.
- Adopt ceramic heating element, fast heating speed, surface temperature achieves 120℃ (no load) in 5 min, excellent insulation and long lifespan.
- The instrument is very safe with overheating protector, stopping heating when surface temperature exceeds 150℃.
- Adopt heat resistant and strong magnetic steel, effectively avoid deviation of stirring bead, also applied for stir of viscous solution.

1. Technical specifications:

Heat Output : 40W

Surface Temperature of No Load: 120℃ (≤5min)

Rate range: 0~2300 R/M (No load)

Heating panel diameter: Φ90mm

Max. stir capacity: 1000ml

Power: AC220V±10%

Exterior dimension and weight: Φ120 x 53mm/500g

2. Instructions:

- 1) Place the beaker in the center of heating panel. Do not deviate the beaker so that the stirring bead is able to stir steadily.
- 2) Plug in power, adjust the speed button to the required speed (speed up by rotating the speed button clockwise), and turn on the heating switch (the indicator lights).
- 3) In the end, turn off the speed button and heating switch, unplug the power, and clean the working area.

3. Attention:

- 1) Solution sample must be placed in when the user uses the instrument. The user should not heat without solution sample.
- 2) The instrument has overheating protector and stops heating when surface temperature exceeds 150℃ and resume heating after about 10 min.

4. Instrument Kits and illustrations:

- 1) It has B835 and B628 stirring beads, which can be for general use. If the user needs the stirring bead of other specification, please buy it on his own.
- 2) The holder and the electrode clip could be assembled to the instrument (the holder and the electrode clip could be bought separately). Three electrodes could be placed under

electrode clip (electrode cap $\Phi 16$ mm \times 2, $\Phi 13$ mm \times 1), applied as stirring type electrode holder.