

# OPERATION & MAINTENANCE MANUAL FOR

## HOD-402

## HOMO MIXER

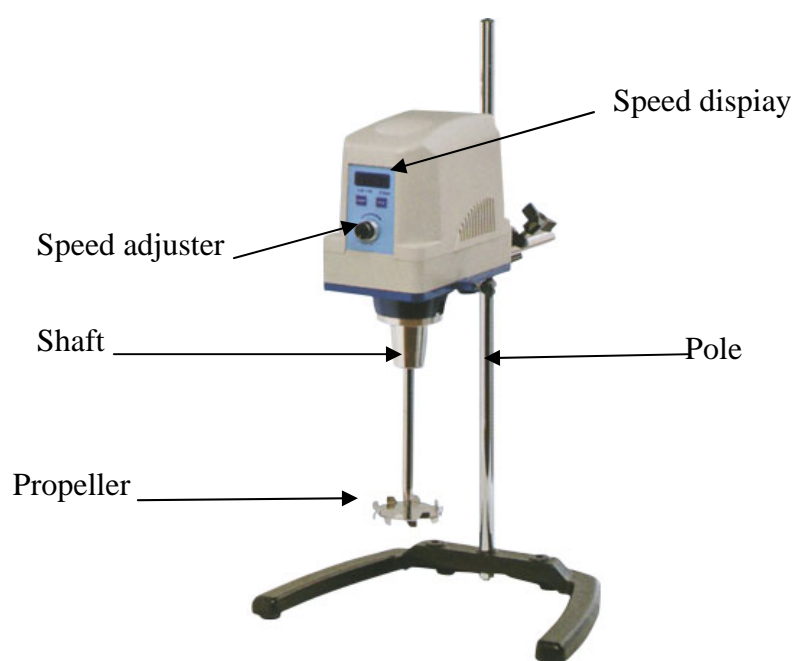


PLEASE READ THE MANUAL CAREFULLY BEFORE USE.

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**MRC.8.18**

## *I 、STRUCTURE*



## *II 、SPECIFICATION*

<b>Model</b>	HOD-402
<b>Power</b>	AC 110 / 220V, 50 / 60 Hz
<b>Motor</b>	DC 350W
<b>Speed (rpm)</b>	200 ~ 7000
<b>Safety device</b>	Fuse
<b>Coating</b>	Medicine-resisting
<b>Size</b>	399 x 376 x 840
<b>Weight (kg)</b>	17

### ***III 、 OPERATION INTRODUCTION***

1. It should keep at least 1 cm of the distance between the tip of the stirring shaft and the inside bottom of the vessel. Don't let the homogenizer head touch to the bottom of the vessel.
2. Rotate the speed adjuster knob toward the left end; then plug in the power cord and switch the machine on.
3. Press "START" button and adjust to the desired speed; press "STOP" button to stop the stirring.
4. For avoid idle running, the flowing speed of the liquid should be available to the stirring speed of the machine.
5. Do a proper stirring propeller and vessel selection for matching the stirring liquid characteristic (Ex.: proportion, viscosity, etc.)
6. After long time use, if the motor temperature over 75 degree C, the over-heat protection device will start and stop the motor running although still under the loading limitation of the fuse. When the temperature come down (about 30 mins later), the machine can re-start to run. If the situation happens repeatedly, User should reduce the loading on the machine. Don't overload the machine; otherwise its motor will be damaged possibly.

### ***IV 、 ATTENTION***

1. Do not use without material.
2. Match the rotation speed to the water speed.
3. Operating in the save current range.

## ***V · INSPECTION***

When the machine is out of order, please check up whether:

1. The carbon brush on the two sides of the motor are out of using or in bad contact. (Take them out and renew while out of using.)
  2. The fuse burns out or not.
- If everything down on above instruction, and still not working please send it back to the agent for examination & maintenance. \*

## ***VI. ERROR MESSAGES***

<b>Signal</b>	<b>Status</b>	<b>Description</b>	<b>Repairing</b>
Err-1	1. Motor can not drive	1. Bad carbon brush touch 2. Wire matched badly. 3. The controller is out of order.	1. Check the carbon brush. 2. Check the wiring. 3. Replace a new controller.
	2. Motor stops during running	1. Bad carbon brush touch 2. Wire matched badly. 3. The controller is out of order.	1. Check the carbon brush or replace a new one. 2. Check the wiring. 3. Replace a new controller.
	3. Sensor can not detect well	1. Sensor is out of order 2. Wire matched badly. 3. The controller is out of order.	1. Check the speed sensor or replace a new one. 2. Check wiring. 3. Replace a new controller.
COOL	1. Motor stops running suddenly for an over-heat happening.	1. Temp. switch skips away. 2. Wire matched badly.	1. Check if overloaded to the motor. 2. Check temp. switch or replace a new one. 3. Check wiring.
OL	1. The pre-set RPM can not be reached.	1. Over-loaded	1. Check if over loaded.

- If all the function keys are failed during the error messages happen, please turn off the machine then to turn it on again.
- Before rebooting the machine, please be sure no any danger there.

## VII. CIRCUIT DIAGRAM

