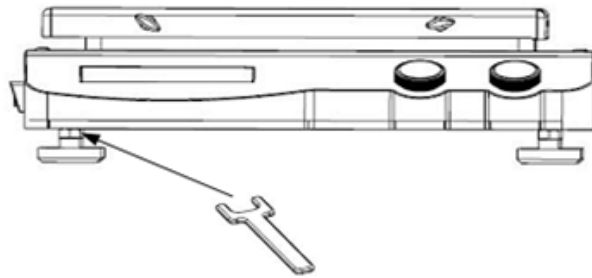# 2. User Instructions

2.1 Trial running

Do trial operation as follows:

(1) Make sure the required operating voltage and power supply voltage match.
(2) Ensure the socket is securely earthed.
(3) Plug in the power cable, Power ON the instrument.
(4) LCD displays the safe rotary speed limit and operating mode.
(5) Turn the speed knob to set the rated rotary speed.
(6) Press the speed knob. And the shaking function is switched ON.
(7) Press the motor regulation knob again, and the shaking function is switched OFF.

If these operations above are normal, the instrument is ready to operate.

If these operations are not normal, the instrument may be in security protection state or be damaged.

If the mounting surface is not flat, you can improve the stability of the instrument with the adjustable feet. To do this, turn the appropriate foot downward with the wrench until the instrument is standing securely on the surface. (Refer to Picture 1)
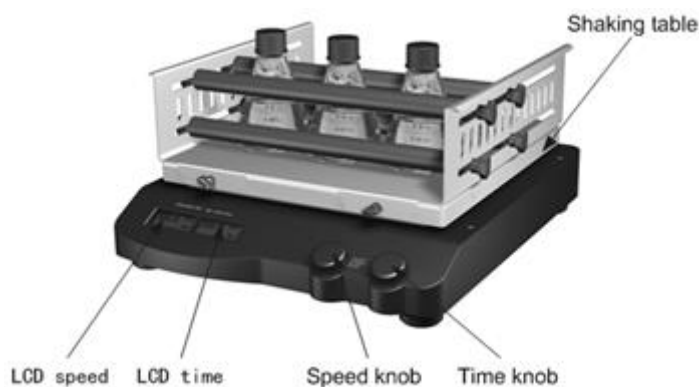

Picture 1

2.2 Control and Set

2.2.1 Technical Parameters

Model	MS-OS500 MS-LS3507.5	MS-OS800 MS-LS3502.5
Shaking Motion	Orbital /Linear	
Orbital Diameter	10mm	4mm
Max. Shaking Weight (with attachment)	7.5kg	2.5kg
Motor Type	Brushless DC motor	
Motor Input	28W	
Motor Output	15W	

Speed Range (rpm)	100-500 (Orbital)	100-800 (Orbital)
	100-350 (Linear)	100-350 (Linear)
Speed Display	LCD	
Time Range	1-1199min	
Operation Mode	Continuous/timed operation	
Ambient Temp.	5-40°C	
Protection Type	IP21	
Connection Interface	RS232	
Power Consumption	30W	
Power supply	AC110/220V±10%, 50/60Hz	
Standard Accessory	1pc SK330.1 universal attachment	1pc SK180.1 universal attachment
External Size (W*D*H)	370*420*100mm	300*340*100mm
Package Size (W*D*H)	500*600*230mm (Shaker)	450*450*200mm (Shaker)
	380*480*200mm (Accessory)	380*480*200mm (Accessory)
Gross Weight	15kg (Shaker), 2kg (Accessory)	10kg, 2kg (Accessory)

2.2.2 Control

Picture 2

Items	Descriptions
Speed knob	Set the rated rotary speed. "rotation" is switched ON or OFF via pressing the knob
Time knob	Set working time.