



# **VERSA-SHAKE™** **Reciprocating Shaker**

**CLS-4009-100**



## **OPERATIONS MANUAL**

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REV: CG1210

## FEATURES

1. Trouble free brushless DC motor
2. Integrated power supply (24VDC) that accepts 100 to 240VAC service.
3. A 1 inch stroke.
4. Low profile space saving housing.
5. 20 - 240 oscillations per minute.
6. Illuminated LED display.
7. Rotary speed knob has locking ring.
8. Tray sizes available: (12"x12", 15"x15", 20"x20", and 20" x30")
9. Peg and Grommet tray mounting.
10. Suction cup style feet for stability.
11. 2 - YEAR Warranty

## GENERAL USE

The Chemglass Life Science's VERSA-SHAKE™ Reciprocating Shaker is a heavy duty, variable speed shaker for general laboratory use. The low profile design accepts a variety of optional trays, as well as similar trays from other manufacturers.

## SPECIFICATIONS

Supply Voltage - 100VAC to 240VAC +/-10%, 50-60 Hz  
Dimensions H x W x D - (inches 4.65 x 11.875x 12), (centimeters - 11.8 x 30.2 x 31)  
Base Weight - 30lbs (13.6kg)  
Maximum Load - 35lbs (16kg)  
Ambient Temperature - 0 to 40°C, 32 to 104°F  
Fuse - 2AMP (5x20mm)

## SET-UP

(See Figure 1)

1. Connect the detachable power cord to the AC/DC converter (24VDC power supply) and connect to “INPUT 24Vdc” receptacle in rear of unit and then plug power cord into a suitable electrical outlet.
2. Secure suction cup feet on work bench.
3. Mount appropriate tray atop of shaker platform - position pegs into grommets.



Figure 1—Rear View

24Vdc INPUT Receptacle

## OPERATION

See figure 2

To operate, turn the main power switch to the “ON” position. Turn the speed control knob to set the desired oscillations per minute. The units are designed to operate within a range of about 20-240 oscillations per minute. Adjust the speed by turning the speed control knob, CW to increase speed, CCW to decrease it. The unit will ramp up (or down) to your selected speed. Turn the “LOCK” ring clockwise about an eighth of a turn to prevent any inadvertent changes to the set speed. Turn the “LOCK” ring counterclockwise to unlock the speed control knob.

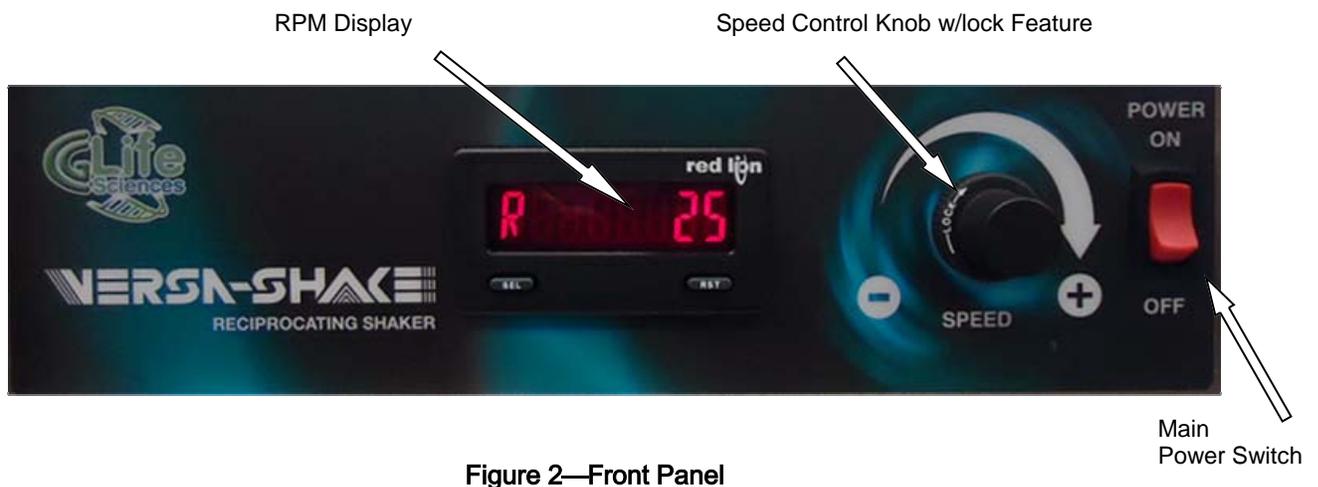


Figure 2—Front Panel



### **Warranty**

Chemglass, Inc. guarantees this unit against defects in material and workmanship for a period of two years from the date of purchase. If the unit should malfunction, it must be returned for evaluation. If the unit is determined to have a defect in materials or workmanship, then it will be repaired or replaced at no charge. Tampering with the unit or damage resulting from excessive current, heat, moisture, vibration, corrosive materials, or misuse will void this warranty. Programming changes or reconfigurations are not covered under warranty.

To return this item, within or beyond the warranty period, advise Chemglass Life Sciences customer service department (800-843-1794) of issue and you will be provided with a return authorization number. The unit will be evaluated and repaired as required in accordance to the warranty. If it is beyond the warranty period or not covered under warranty, a repair quote will be issued to user.

**Please contact the Chemglass Electronics department with warranty repair information.**

**Chemglass Electronics department:**

**Tel: 1-800-843-1794 ext. 2124**

**Fax: 1-800-922-4361**

**Email: [electronics@chemglass.com](mailto:electronics@chemglass.com)**