



VWR[®] Digital 2D Rocker

Instruction Manual



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1. Installation and Inspection

1. Unpack the box, find the user manual inside the plastic bag.
2. Check the packing list in the manual to ensure all parts of the instrument and all accessories are not missing or damaged. If there are any missing or damaged items, please contact VWR Customer Service.
3. Place the instrument on a level and firm surface to avoid vibration and noise.
4. Do not use corrosive flammable liquids to clean the instrument and make sure to place the instrument away from such liquids.

Packing List

Cat. No.	Item	Quantity	Remark
1	Main Body	1	76595-804
2	User Manual	1	
3	Fuse	2	Inside the switch
4	Dimpled Mat	1	76595-818
5	Power Adapter	1	
6	Rubber Strip	6	76595-816

2. Product Features

1. Compact: takes up little countertop space.
2. Easy to operate.
3. Offers variable speed, timing, and LCD display functions.
4. Low noise and high load capacity.
5. High-speed precision and high laboratory reproducibility.

3. Introduction

The main applications of the Digital 2D Rocker are in the fields of medical research, biotechnology, chemical, pharmaceutical, and biological laboratories. It is used to reliably mix various reagents, solutions, and chemicals.

4. Application

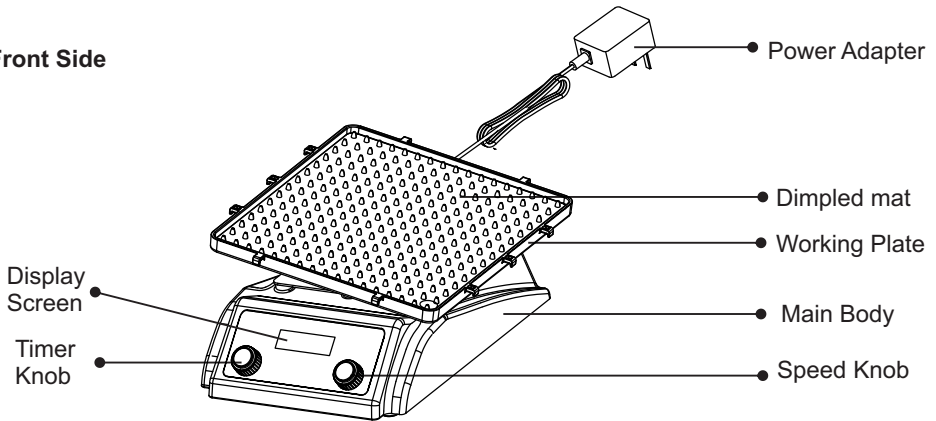
1. Maximum load: The instrument can withstand the maximum mixing liquid plus the total weight of a conventional container.
2. The swing speed: In order to achieve a stable blending effect, the swing speed should be adjusted depending on the mixing liquid.

5. Specification

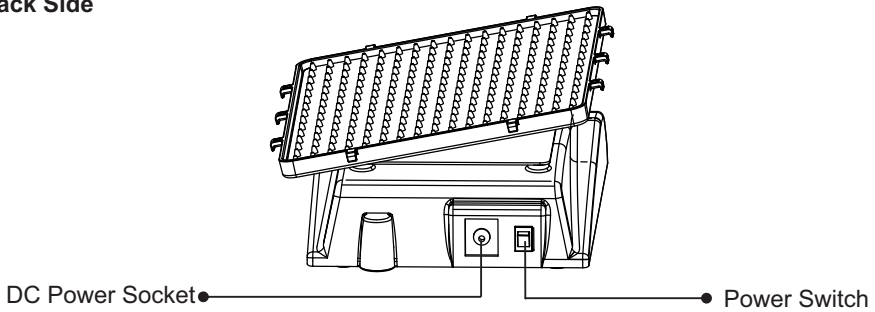
Model	76595-804
Speed Range	2-80rpm
Speed Accuracy	1rpm
Tilt Angle	$\pm 10^{\circ}$
Platform Dimensions	307×267mm
Ambient Temperature	5°C-40°C
Dimensions W×D×H	380×290×150mm
Timing	0,1-99h59min
Display Mode	LCD
Max. Power	6W
Net Weight	6Kg
Power Supply	AC100-240V, 50Hz/60Hz
Max. Load	2kg (Including container)

6. Structure

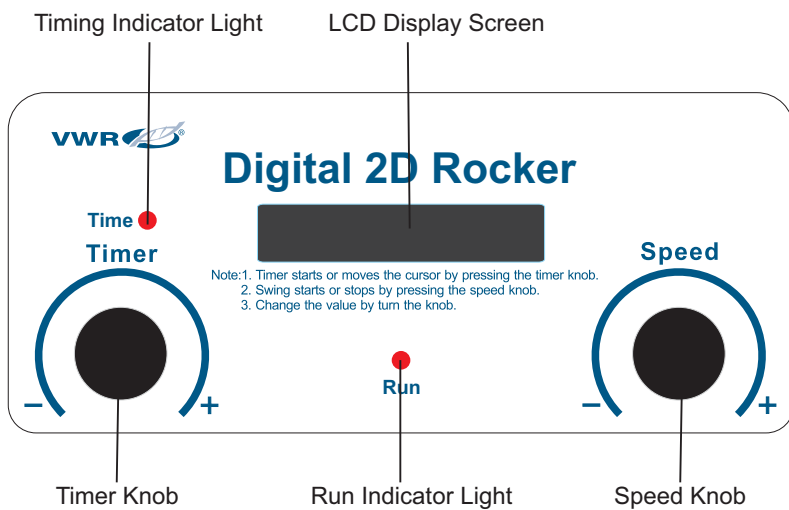
Front Side



Back Side



7. Control Panel



8. Operation

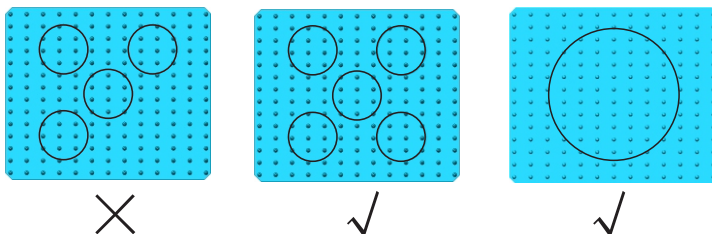
1. Power the instrument on by switching the rear power switch to "I" .
2. Place the work load on the center of the plate.
3. **Speed setting:** turn the right side "Speed" knob, the first line of the LCD displays the corresponding speed value. Adjust the knob to the required speed, press the knob to confirm, then the instrument will begin running. Press the "Speed" knob again and the instrument will stop running. If you need to adjust the speed during operation, only turn the right "Speed" knob and the corresponding value on the display will be changed.
4. **Timing settings:** press the left "Timer" knob, and the corresponding value on the second line of LCD window will start flashing, turn the Timer knob to adjust to the desired setting hour value. Press the knob again to set the number of minutes in front of the corresponding "min". Press the knob for a third time, and all values will stop flashing; this indicates the timer is set. Press the right "Speed" knob, and the instrument will start running. "Time" indicator light is on and timer values on the second line of the LCD window will start decreasing. When the timer value reaches "000h00min", "Time" indicator flashes and the timer will end.
5. **Timing:** when using the timing mode, you must first press the right "Speed" knob to stop running the unit if you need to adjust the length of timing. Then reset the timer according to section 4.
6. **Power Recovery:** when the power supply is cut off suddenly when the instrument is operating, the unit will automatically run at the previous set parameter upon power restoration. If you want to change the parameter, please do as instructed in sections 3, 4, and 5.
7. After use of the instrument, switch the power boat switch on the rear of the instrument to "O", then cut off the power cable. Clean the exterior of the unit and store it well.

Load and Position

Model	Position	Load Weight	Speed
76595-804	The center of plate	2Kg	2-80rpm

9. Safety Tips

- Make sure that containers on the tray are completely sealed and liquid does not flow out when in use.
- Place containers on the center of the working plate for optimal mixing.
- The instrument is equipped with a fuse located inside the power socket for user to replace if necessary.
- NS-05A-VWR's speed can be slowly adjusted.
- To prolong the lifetime of the instrument, the user should place the load symmetrically or in the center as shown below:



- When the load exceeds 1Kg, we recommend using a rubber band or other similar tools to secure it.

10. Cleaning and Maintenance

- Cleaning

To ensure the safe operation of the instrument, please clean the instrument according to the manufacturer's recommendations:

- Clean the instrument after cutting off the power.
- Use a soft damp cloth or non-abrasive cleaners (ph <8) to clean the instrument.
- Do not directly spray the instrument with any cleaning solutions.

- Maintenance

Please clean and ensure that no residual harmful substances remain on the instrument before maintenance.

11. Troubleshooting

Please refer to the following table to troubleshoot any malfunctions that may occur. If your problem persists, contact VWR Customer Service.

Troubles	Cause	Solution
Not functioning	Switch off	Switch on or connect the power
	Blown fuse	Replace the fuse
Shaking of the unit	Unbalanced load	Place on a level and firm surface
	Unbalanced weighted	Adjust the position of load
	Over-weighted	Load as the instruction

WARRANTY CARD

Save this card carefully please. When you need service, contact the service company with card & invoice.

Warranty Card

User Name		Telephone	
Address			
Zip Code		E-mail	
Product Name		Model	
Serial number		Purchase Date	

- **Warranty Scope:**
 1. Warranty period is 24 Months from purchase date.
- **Warranty is not valid under the following circumstances:**
 1. Warranty term is expired.
 2. Damage due to improper use, maintenance or handling.
 3. Unmatched serial numbers, or modification of serial numbers.

Customer service hotline: please contact VWR's customer service department at 1-800-932-5000.
 User: the above information should be completed by the seller.

Maintenance records

Completed by maintenance organizations, and they should help customers to paste maintenance records in the appropriate position!

First	Maintenance company's name		Maintenance Date	
	Address		Tel	
	Maintenance documents No.		Maintenance personnel to sign	
Second	Maintenance company's name		Maintenance Date	
	Address		Tel	
	Maintenance documents No.		Maintenance personnel to sign	
Third	Maintenance company's name		Maintenance Date	
	Address		Tel	
	Maintenance documents No.		Maintenance personnel to sign	

