

Rocking Shaker

Cat. No. BT907, BT925

Thanks for choosing BT Lab Systems' Rocking Shaker. This operation manual describes the function and operation of the instrument. In order to use the instrument properly, please read this manual carefully.

Please check the instrument with the packing list when you first open the packing case. If items do not match the packing list, please contact BT Lab Systems.

IMPORTANT SAFETY INFORMATION

Users should understand how to use the instrument properly before operating it. Please read this operation manual carefully before using the instrument.

The operation, maintenance and repair of the instrument should comply with the basic guidelines and warning below. Ignoring these instructions will affect the life of the Instrument and safety precautions.

- This product is an indoor Instrument which conforms to Standard B style- I type- GB9706.1.
- Before operation, read the manual carefully. These units are designed for using in laboratory environments by persons knowledgeable in safe laboratory practices.
- The operator should never open or repair the instrument. Opening or repairing the instrument will void the guarantee and can cause accidents.
- The power plug is designed to safeguard against an electric shock. The 3-pin plug supplied with BT907 Rocking Shaker's power cable is a safety device that should be matched with a suitable grounded socket.
- The instrument should be used in an area with low temperature, little dust, no water, no sunshine or hard light and with good air circulation. Do not use where there is corrosive gas or a strong magnetic field. Keep far away from central heating, camp stove and other hot sources. Do not put the instrument in a wet and dusty area. The vent on the instrument is designed for aeration. Do not wall up or cover the vent.
- Power off when not in use. If the instrument will not be used for a long period, unplug, and cover with a piece of cloth to protect it from dust.
- In case of the following, unplug the instrument at once and contact BT Lab Systems.
 - The instrument comes into contact with liquid
 - The instrument gets soaked or burned
 - The instrument emits an abnormal sound or smell
 - The instrument is dropped or the outer shell damaged
 - The instrument functions abnormally.

MAINTENANCE

The instrument and the accessories should be cleaned with a cloth dampened by alcohol. If there are smudges on the instrument, clean it with a dry cloth.

INTRODUCTION

BT Lab Systems' Rocking Shaker is used in the immobilization of running gels, shaking for dyeing or fading Coomassie blue, immobilization, dyeing and developing of silver-staining, developing and fixation of X-ray film in autoradiography experiments, and further processing of cellulose membrane after gel shift such as molecular hybridization or staining with antigen-antibody. It is also used for cell culture and cell membrane transfer.

KEY FEATURES

- Platform made of stainless steel and natural rubber, alkali-resistant, easy to clean and prevents spilling.
- Speed display shows current speed and time display counts down time.
- The instrument uses articulated rotation that is stable and long-wearing, suitable for prolonged use.
- Compact design, takes up very little space.
- Brushless DC motor, maintenance-free.

NORMAL OPERATING CONDITIONS

- Ambient Temperature: 4-45°C
- Relative Humidity: ≤70%
- Power: AC100-240V~ 1.5A

TECHNICAL SPECIFICATIONS

Speed Range: 10~80rpm

Swing Cycloid: 25mm (up and down)

Time Range: 1min ~ 99h59min

Max. Load: 5.0kg

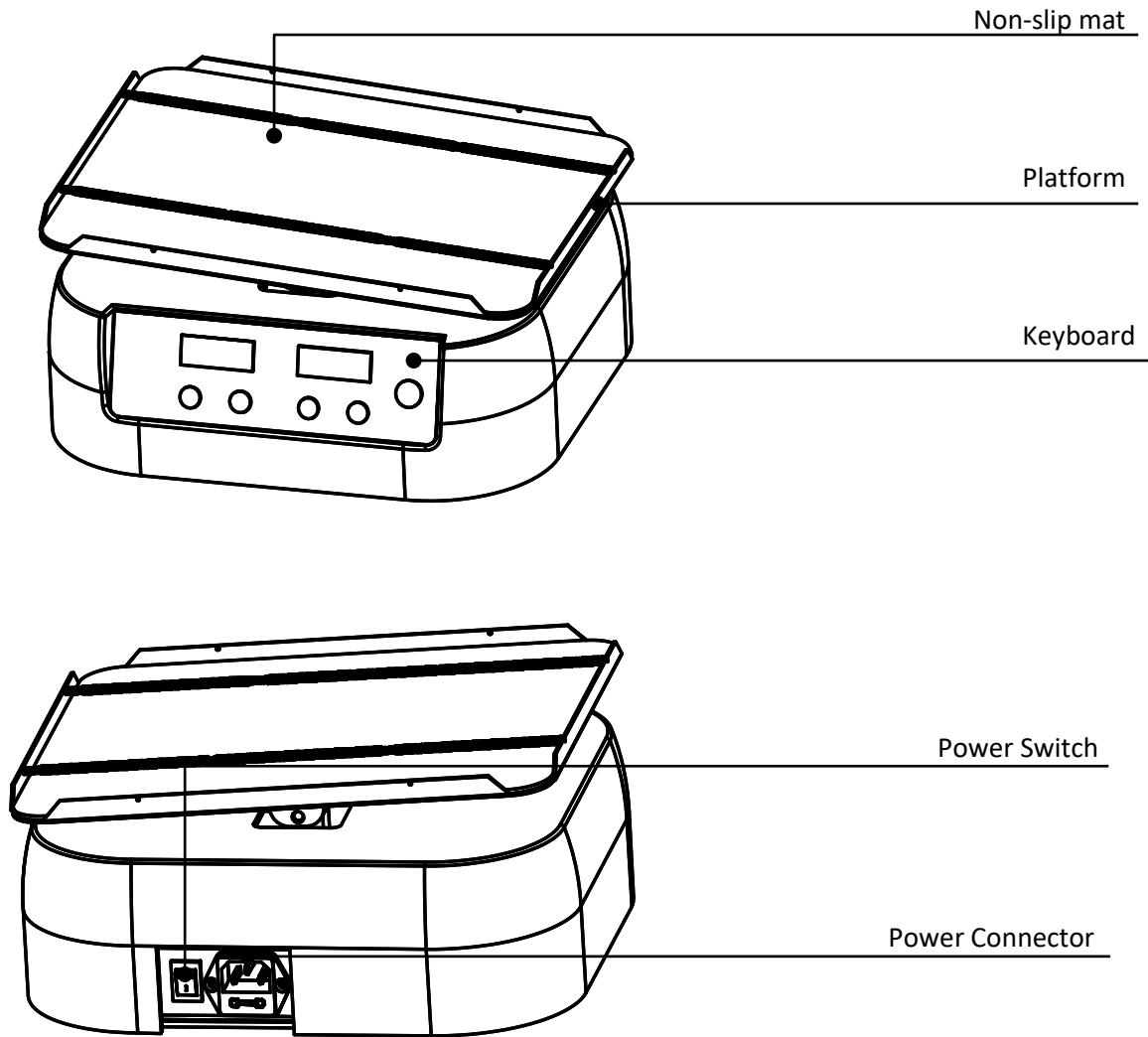
Power: 50W

Dimension: 284 x 264 x 100 mm

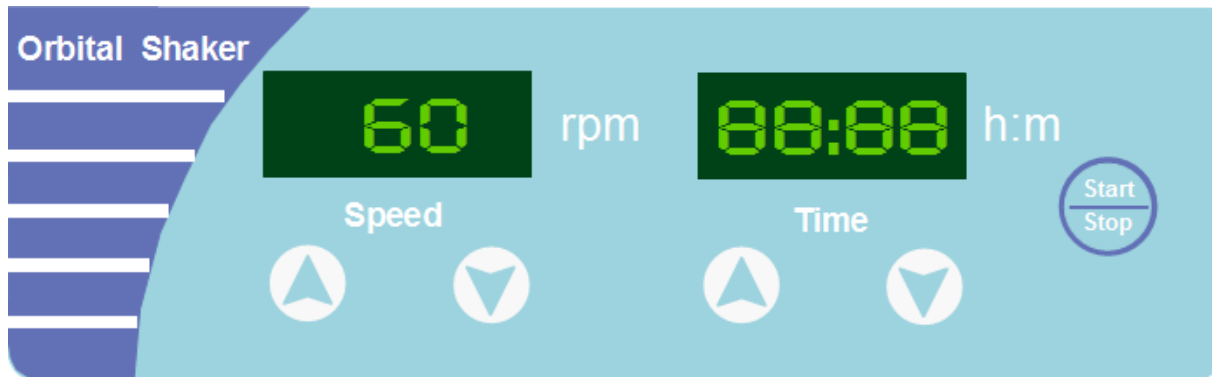
Net Weight: 5.0kgs

EQUIPMENT OVERVIEW

This chapter describes the instrument's mechanical structure, the keyboard and functions of each key as well as operation. Please learn this chapter before the instrument is operated for the first time.



KEYBOARD AND DISPLAY PANEL



OPERATION

▲ Decreases the time value or speed value.

▼ Increases the time value or speed value.

Press Start/Stop key to start or stop the program.

OPERATION GUIDE

Setting Speed and Timing

1. Switch on the instrument, the LED will display 8. The instrument will beep.
2. Press ▲ or ▼ of speed key to adjust the speed value. It displays last running speed. Continuously pressing increases or decreases the unit from, tens to hundreds.
3. Press ▲ or ▼ of time key to adjust the timing value. It displays last setting time.. Continuously pressing leads the value increase or decrease in X10 speed.

Stop / Start

1. Press the start/stop key to start or stop the program.
2. Press “start/stop” to run the program after speed and timing are set. When the time is up the instrument stops running and sounds an alert.
3. Press “stop/start” to stop the program.
4. When the program completes, or the instrument is stopped it in start mode. In start mode, press ▲ or ▼ of speed key or timing key to reset speed and timing.
5. Press “start/stop” without adjusting speed or timing, the instrument will operate the program the same as the previous setting.

TROUBLE SHOOTING

Issue	Possible Causes	Processing Procedure
No signal display when power on.	No power	Check the power
	Broken switch	Contact BT Lab Systems
	Others	Contact BT Lab Systems
Shaking heavily	Samples placed unbalanced	Place the samples evenly
Actual speed and displayed speed are not matching	Broken controller	Contact BT Lab Systems
Err displays	Speed not working	Contact BT Lab Systems

WARRANTY

BT Lab Systems' Rocking Shakers are warranted against defects in materials and workmanship for 1 year. If any defects occur in the instrument or accessories during this warranty period, BT Lab Systems will repair or replace the defective parts at its discretion without charge. The following defects, however, are specifically excluded:

1. Defects caused by improper operation.
2. Repair or modification done by anyone other than BT Lab Systems or an authorized agent.
3. Damage caused by substituting alternative parts.
4. Use of fittings or spare parts supplied by anyone other than BT Lab Systems.
5. Damage caused by accident or misuse.
6. Damage caused by disaster.
7. Corrosion caused by improper solvent or sample.

This warranty does not apply to parts listed below:

1. Fuses
2. Lamps
3. Starters

For any inquiry or request for repair service, contact your local BT Lab Systems office. Inform BT Lab Systems of the model and serial number of your instrument.

REGULATORY NOTICE

IMPORTANT: This BT Lab Systems instrument is designed and certified to meet safety standards and EMC regulations. Certified products are safe to use when operated in accordance with the instruction manual. This instrument should not be modified or altered in any way. Alteration of this instrument will:

1. Void the manufacturer's warranty
2. Void the safety and EMC certification
3. Create a potential safety hazard

BT Lab Systems is not responsible for any injury or damage caused by the use of this instrument for purposes other than those for which it is intended, or by modifications of the instrument not performed by BT Lab Systems or an authorized agent.

TECHNICAL SUPPORT

BT Lab Systems offers technical support for all of its products. If you have any questions about the product's use or, operation, please contact BT Lab Systems at the following:

E-Mail: info@BTLabSystems.com