

Microplate Shaker

Cat. No. BT908

Please read the manual thoroughly before operating the microplate shaker.

SAFETY WARNINGS & GUIDELINES

The operation, maintenance and repair of the instrument should comply with the basic guidelines and the remarked warning below. If you don't comply with them, it will have effect on the scheduled using life of the instrument and the protection provided.

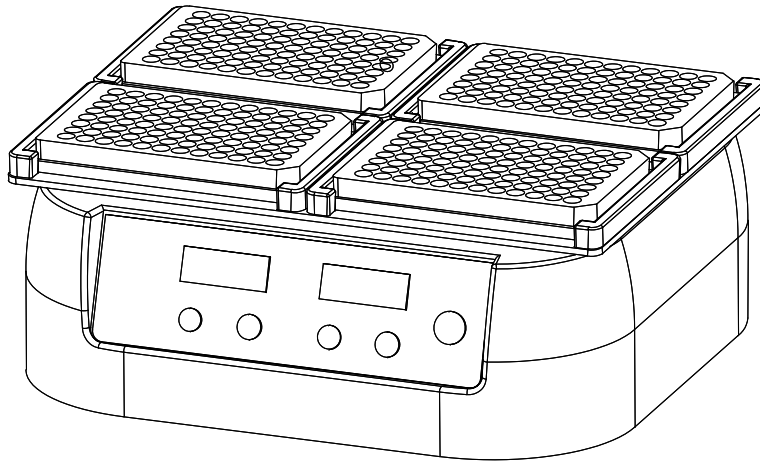
- This product is a normal and an indoor Instrument which conforms to Standard B style-1 type-GB9706.1.
- Before operation, read the Manual carefully. These units are designed for use in laboratory environments by persons knowledgeable in safe laboratory practices.
- The operator should not open or repair the Instrument by himself, which will result in invalidation of the warranty.
- A.C. power's grounding should be reliable to safeguard against an electric shock.
- Before powering on, guarantee the voltage used should be accordant to the voltage needed, and the rated load of electrical outlet should not be lower than the demand. If the electric cord is damaged, you should replace it with the same type. You should assure there is nothing on the electric cord and you should not put the electric cord in the ambulatory place. Hold the jack when you pull out the electric cord, and do not pull the electric cord.
- Power off when you finish your work. Pull off the connector plug when there's long time no use of the Instrument and cover it with a cloth or plastic paper to prevent from dust.
- Pull the connector plug from the plug socket at once in the following cases, and contact the vendor:
 - There is some liquid flowing into the Instrument;
 - Drenched or fire burned.
 - Abnormal operation: such as abnormal sound or smell.
 - Instrument dropping or outer shell damaged.
 - The function has obviously changed.

EQUIPMENT MAINTENANCE

The platform and clamp should be cleaned with a soft cloth and rubbing alcohol.

INTRODUCTION

BT908 Microplate Shaker has a compact appearance, adopts the brushless DC motor technology and microcomputer control technology. The shaker can be applicable in different laboratory applications.



Features

- Human-computer touch-friendly operating interface, LED timing and speed display.
- Timing function, arbitrarily set-up the digital timer within 0~100h. The display shows the remaining time, there will be sound alarm signal when the end of timing.
- Adopts DC brushless motor, with precision speed, maintenance-free
- Power recovery, the device can automatically work at the original set-up process.

OPERATING CONDITIONS

Normal operating conditions are:

- Ambient temperature: 4°C- 45°C
- The relative humidity: <70%
- Power supply: AC90-230V, 3.0A

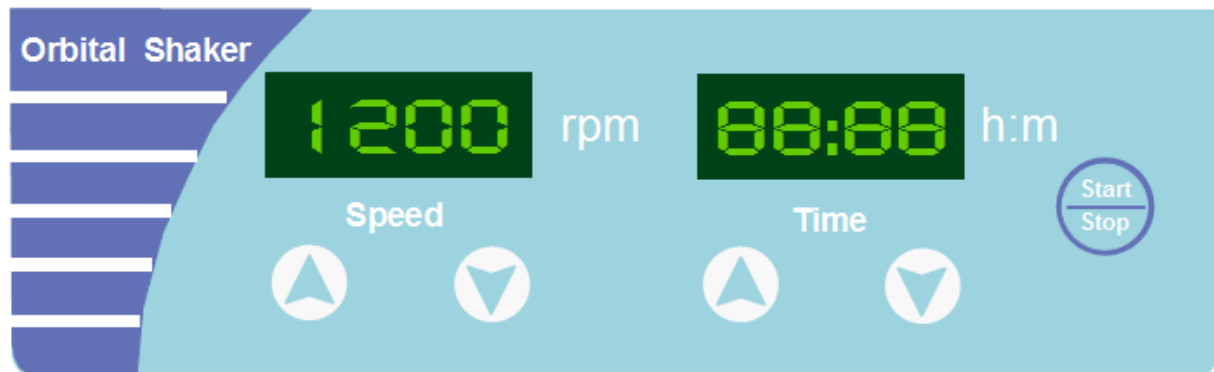
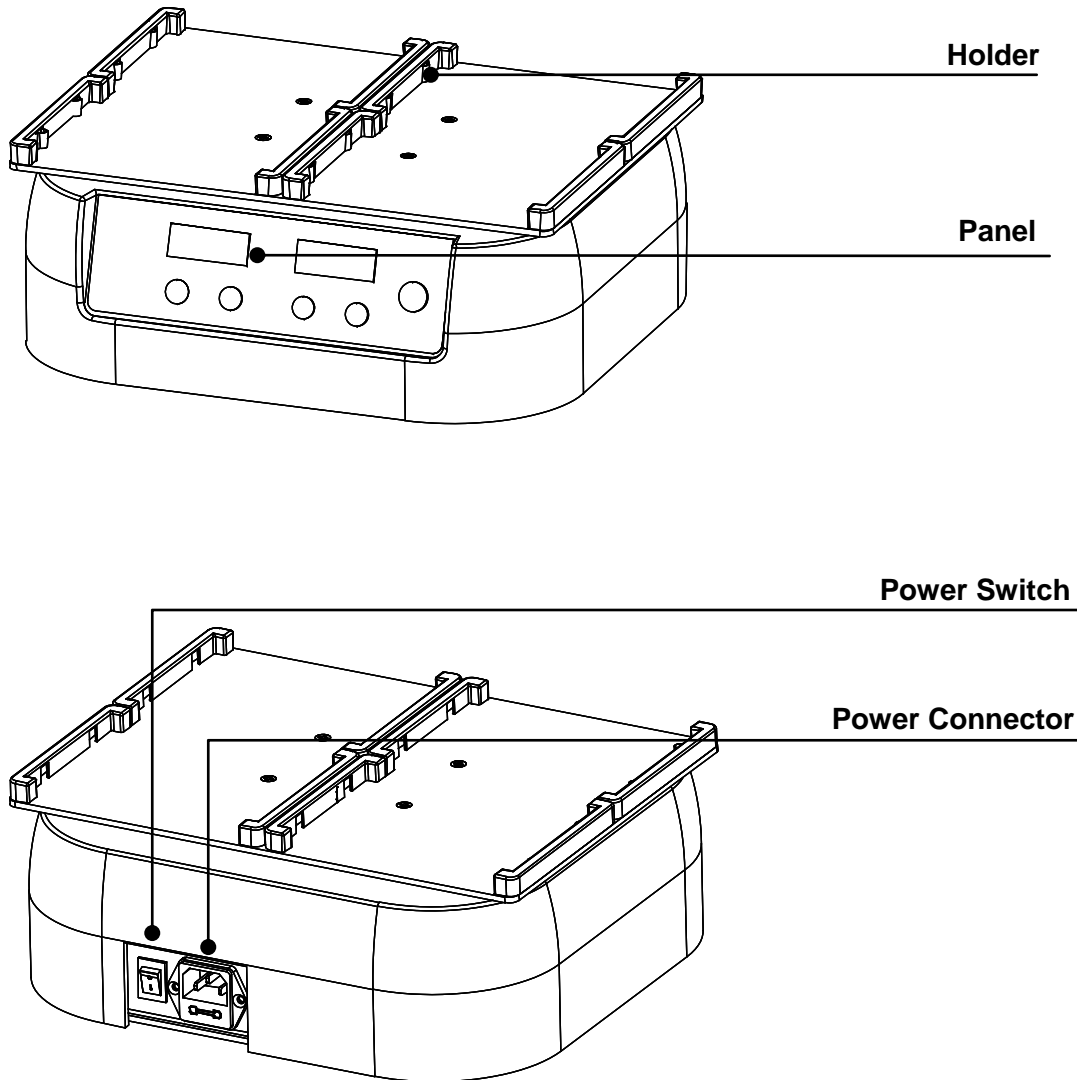
SPECIFICATIONS

- Shaking speed: 300-1500rpm for standard microplates; 300-1000rpm for deep microplates
- Orbit: 3mm
- Digital timer: 1min to 99h59mins
- Max load: 4 microplates
- Power Supply 50W
- Dimensions: 280 x 270 x 110mm
- Weight: 7kg

PLATFORM INSTALLATION

Securely mount the platform to the machine using the supplied screws. Four holes align with the shaking manifold of the instrument. Ensure the screws are tight before operation.

EQUIPMENT OVERVIEW



OPERATION

All digital LED display 8 when instrument is powered on. The instrument enters into the initial program with a beep sound.

Press the up and down arrows under the speed display to adjust the displayed speed setting, the last displayed speed. Continuously pressing leads the value to increase or decrease from unit digit, tens digit to hundreds digit.

Press the up and down arrows under the time display to adjust the displayed time setting, the last displayed time. When display reads 00:00 the running time is constant.

When speed and time are set press Start/Stop button to begin. When the timed run is finished the instrument will beep and the time display will read oUer.

Press the Start/Stop button at anytime during the run will stop the shaker.

TROUBLESHOOTING

Issue	Possible Causes	Solution
Display window doesn't respond after power-on	No power	Check the connection of power
	Bad adapter	Exchange adapter (24VDC 2A)
	Switch Failure	Exchange the switch
	Others	Contact the seller
Shaking too powerful	Mixing samples are placed dissymmetrical	Place the mixing samples symmetrical
The actual speed is different from the displayed speed	Broken sensor or loose contact of the module	Contact the seller
"ERR" in the display	Shaking speed is out of control	Contact the seller
Press invalid	Knob failure	Contact the seller

WARRANTY

The company will be responsible for replacement due to fault caused by the materials and manufacturing up to 1 month from the date of delivery. The company will provide 12 month free warranty due to fault caused by the materials and manufacturing from the date of delivery. In the warranty period, the company will provide free repair service or replacement for those machines which are proved as defective apparatus selectively.

Improper use or use under abnormal condition, damage caused by repair or modification without authority etc will invalidate the warranty.

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 info.

E-Mail: info@BTLabSystems.com