



## BENCHTOP SHAKING INCUBATOR BSBT-2101

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## SHAKER

This instrument's high-end brand, specialized in providing general lab equipment like high performance dry oven, vacuum oven, CO2 incubator, low temp. incubator, thermostat incubator, constant humidity chamber, drug stabilization chamber, shaker, orbital shaker etc. Devote to provide user intelligent, professional, humanized lab instruments, which meets modern laboratory high end application.



Colorful intelligent touch screen control:

Adopt 4.3 inches touch screen, intelligent touch screen control, parameters real time display, operation easily.

Temp., rotation speed and time etc. parameters fast setting.

Humanization design:

Silent working.

Colorful touch screen display, multi data display at one screen, easily to observe and operate.

Platform is stainless steel, easy to detach and clean.

Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient.

Quality guaranty:

## SPECIFICATIONS

Model	BSBT-2101
Range speed	40 - 300rpm
Amplitude	26mm
Timer range	1 - 99h59min
Max load	250mlx48pcs or 500mlx30pcs or 1000mlx20pcs or 2000mlx12pcs (single shelf)
Platform size (mm)	800x600
Platform quantity	1pcs
Overall size WxDxH (mm)	895x740x460
Rated power	250W
Power supplies	AC220V 50HZ
Standard configuration	500mlx30pcs (single shelf)
Alt Name	Shaker



## ACCESSORIES FOR PURCHASE

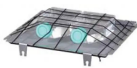
No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack
7	Universal platform



1



2



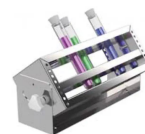
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7



8

## FEATURES

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Quality guaranty:

User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on.

PID microcomputer control temp. and shake frequency with timer, it starts shake gently to prevent liquid coming out from the vessels and stops the machine working.

With rotation speed monitoring circuit. When the instrument detects rotation speed is too fast or too slow, it can stop shaking to ensure no accident occur.

Uninterrupted performance guaranty:

Brushless DC motor, large start torque, wide speed adjustment, free maintenance.

Three-eccentric axis balance drive:

Three-eccentric axis balance drive ensures all samples in the shaker platform movements at the same rotation frequency. Durable structure guarantees the shaker incubator can work properly no matter full load or high speed working.

Multi-segment programmable control:

Multi-segment temp., speed, time program at the same time. It has normal mode or programmable mode for running. Preset parameter and work data can be shown at the same time. It simplified complicated culture requirements and realize auto control and run.

Convenient data process:

Equip with USB as options, record temp. parameter changes (option).

Equip with RS232 data interface, through software to remote control machine performance (option).

Above two options can be selected only one.

Intelligent:

Colorful touch screen or LCD controller, menu type operation interface makes operation simple and easily.

With preset start, standby and end function.

Multi phase temp. speed, time and heating etc parameters can be set and programmable at the same time, simplified complicated experiments process.

With App running control and monitoring function.

Profession:

Adopt international standard DIN-12880-2007 test and manufacturing.

Offer temp. shake speed, timer control and working chamber temperature is uniform.

Observe the samples through glass windows, which would not affect working chamber temperature.  
 Shake speed can be controlled to ensure liquid won't be out to damage the instruments.  
 Uninterrupted running: Low heat DC motor, large start torque, wide speed adjustment, free maintenance.

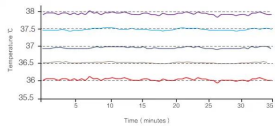
### Colorful intelligent touch screen



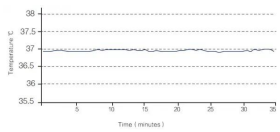
### LCD screen controller professional type



### Precise temperature control



Shaker inner chamber temp. uniformity  $\leq \pm 1$  degree C to ensure all samples temp. are uniform.  
 Note: Temp. accuracy and uniformity should be tested in stable status.



Shaker inside chamber temp. accuracy is  $\pm 0.1$  Degree C, ensure the experiment is stable.

## APPLICATIONS

Shaker incubator adopts new outlook, large LCD screen, latest technology of motor driven system, large torque, stable operation, low noise, fast heat dissipation and long service life. It is widely used in cell culture, fermentation, hybridization, biochemistry and enzyme research etc. that need shaker function in laboratory experiments or pilot experiments.



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