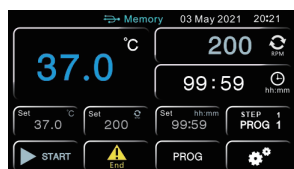


# Chest Type Shaker Incubator



Colorful intelligent touch screen

## Application

Floor standing Shaker incubator combines incubator and shaker functions together, it uses new outlook design with big touch screen,. Adopt the latest technology of motor driven system, large torque, stable work, low noise and fast heat dissipation and long lifetime. It is widely used Cell culture, fermentation, biochemistry, enzyme research experiment or medium production experiment. Especially suitable for medium production, it solves the user's problem by advanced design and high precise manufacturing art craft.

## Product features

### 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

- Combine incubator, shaker functions together with small space, huge capacity.
- Colorful touch screen controller, menu operation interface, multi data display at one screen, easily to observe and operate.
- Silent running.
- Fluorine-free design, environmental friendly.
- Big transparent big view windows, platform and chamber are made of stainless steel, anti-corrosion and easy to clean.

## 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.
- Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants.

## 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.

## 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.

## Sterilization system

- The ultraviolet lamp can sterilize the chamber regularly.

## Safety

- **Protection on instruments:** Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident.
- **Protection on key components:** Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.
- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

## 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.

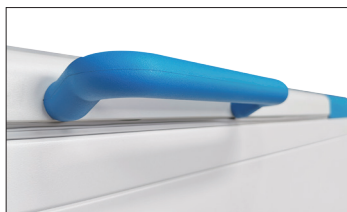
## Feature extension(option)

- CO<sub>2</sub> concentration monitor and control.
- Lighting control.
- Humidity monitor and control.

# Chest Type Shaker Incubator



USB interface



PU foamed handle



25mm test hole



304 mirror stainless steel



Pneumatic gas spring holder



Pressure balance hole

## Technical parameters

Model	BSI-21	BSI-31	BSI-21C	BSI-31C
Power supplies	AC220V 50HZ			
Speed range	40 - 300 rpm			
Amplitude	26mm			
Control temp. range	RT+5 - 80℃		4 - 80℃	
Temp. resolution	0.1℃			
Timer range	1 - 99h59min			
Rated power	1050W		1300W	
Platforme size (mm)	750×460	920×500	750×460	920×500
Overall size W×D×H (mm)	1060×680×910	1200×730×930	1060×680×910	1200×730×930
Standard configuration	250ml×28	250ml×45	250ml×28	250ml×45

With "C" means the model with refrigeration function

## Max. flask clamps can be placed (single layer)

Model		BSI-21 BSI-21C	BSI-31 BSI-31C
Flask (pcs)	50 ml	82	116
	100 ml	50	66
	250 ml	28	45
	500 ml	23	28
	1000 ml	15	18
	2000 ml	8	13