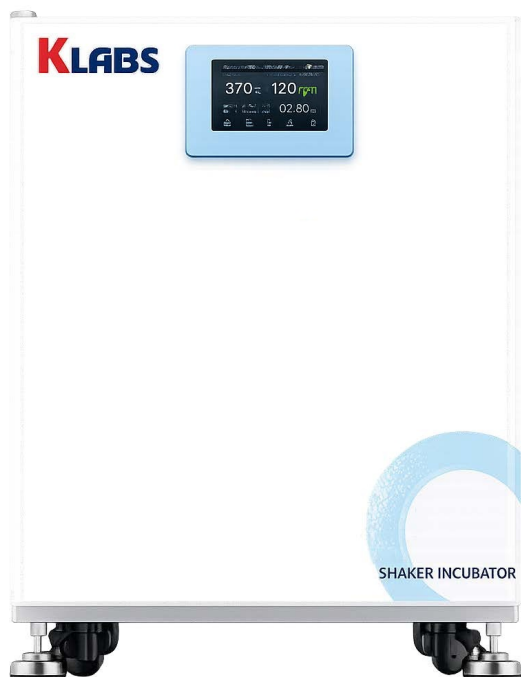




## KLABS Shaker Incubator



### Application

Widely used in cell culture, fermentation, hybridization, biochemistry and cell tissue research with high temperature and concussion frequency. It can culture microbial cells and various type of bacteria in static and movement, especially suitable for laboratory pilot production.

### 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 datas display at one screen, easily to observe and operate.
- Fluorine free design.
- Large toughened glass windows provides users observe the samples status with good insulation when instruments working.
- Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient.
- Inner chamber, shaker platform and shelves are made of 304 stainless steel
- On the left of chamber is placed with 50mm test hole.

### 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.

### Sterilization system

- The ultraviolet lamp can sterilize the chamber regularly.

### Safety

- **Protection on instruments:** Comply international standard 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.

### 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.

### Feature extension(Option)

- CO<sub>2</sub> concentration monitor and control.
- Lighting control(Stimulate the nature growth environment)
- Humidity monitor and control.

**Technical Specifications**

Model	KSI-9	KSI-9C	KSI-30	KSI-30C
Power supplies	AC220V 50HZ			
Speed range	40 - 300rpm			
Amplitude	20mm			
Control temp. range	RT+5 - 65°C	4 - 65°C	RT+5 - 65°C	4 - 65°C
Temp. resolution	0.1°C			
Uniformity(at 37°C )	±0.5°C			
Timer range	0 - 99h59min			
Platform size (mm)	400×340	400×340	500×420	500×420
Overall size W×D×H (mm)	635×714×1055	635×714×1055	725×720×1150	725×720×1150
Rated power	750W	950W	1100W	1300W

Max. flask clamps can be placed (single layer)

Model		KSI-9 KSI-9C	KSI-30 KSI-30C
Flask (pcs)	50 mL	29	55
	100 mL	18	30
	250 mL	11	20
	500 mL	7	12
	1000 mL	4	10
	2000 mL	-	6