



KLABS Shaker Incubator



Application

Shaker incubator combines incubator and shaker functions together, it provides accurate temp. control, realizes shake incubating and meet bacterium, microbe suspension incubate requirements. It is ideal instruments for Cell culture, fermentation, biochemistry, water quality analysis, plant cultivation and breeding.

Technical breakthroughs

Unique air flow technology

- Adopts continuous flow fan technology, air stability, no turbulence, temperature is uniform.
- Cycle fan speed can be automatically controlled, it can avoid the samples volatile too fast due to cycle fan is too fast.

Patented single-axis drive technology

- Patented single-axis drive and balancing technology, running stable, low noise and low consumption.

Pneumatic support technology

- Adopts pneumatic support, transparent cover height can be adjustable to any position, convenient the operation.

Large screen LCD display

- Colorful touch screen can continuously, accurately and real-time display temp, rotation speed and work time. The menu operation interface is easy to understand.

Technical features

Humanization design

- Combine incubator, shaker functions together with small space.
- Patented overall design, transparent big view windows, dynamic master the culture effect.
- With reserve test hole, outer sensors can access to test the inner cabinet temperature (option)
- Shaking platform and chamber are made of stainless steel, anti-corrosion and easy to clean.
- Standard configuration is universal clamp, it can used for different vessel with different volume.

Uninterrupted performance guaranty

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

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.

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.

Technical Specifications

Model	KSI-1	KSI-2	KSI-3	KSI-3C	KSI-15	KSI-25	KSI-35	KSI-35C
Temp. range	RT+5 - 65°C			4 - 65°C	RT+5 - 65°C			4 - 65°C
Temp. control accuracy	0.1°C							
Speed range	40 - 250rpm	40 - 300rpm			40 - 500rpm			
Frequency accuracy	±1rpm							
Platform size(mm)	250×250	350×350	450×450	450×450	250×250	350×350	450×450	450×450
Inside height (mm)	195	265	330	330	195	265	330	330
Overall size W×D×H(mm)	390×590×370	490×690×450	590×825×550	590×975×550	390×590×370	490×690×450	590×825×550	590×975×550
N.W	32 Kg	42 Kg	52 Kg	75 Kg	32 Kg	42 Kg	52 Kg	75 Kg
Amplitude	20mm				4mm	5mm	5mm	5mm
Running time	1 - 99h59min							
Powder requirement	AC220V/50Hz							
Rated power	450W	650W	1000W	1300W	450W	650W	1000W	1300W
Standard configuration	250ml×8pcs	250ml×13pcs	250ml×18pcs	250ml×18pcs	250ml×8pcs	250ml×13pcs	250ml×18pcs	250ml×18pcs