

# Shaking INCUBATOR

## JSSI-100 COMPACT Orbital & Reciprocal

### Compact Shaking Incubator

JSSI-100 Series Compact Shaking Incubator is ideal for any shaking application requiring controlled temperature and shaking speed for microbiology, cell biology, cell culture, tissue culture, biochemistry, molecular biology, environmental engineering, soil testing field temperature range from +10°C to +70°C.



### Specifications

Heating	Forced Air Convection
Temp. Range	JSSI-100T    ambient + 5 °C ~ 70 °C JSSI-100C    +10 °C ~ 70 °C
Accuracy	± 0.2 °C at 25.0°C (JSSI-100C)
Uniformity	± 1.0 °C at 25.0°C (JSSI-100C)
Shaking Motion	Orbital or Reciprocal
Speed Range	20 ~ 350 rpm (orbital)
Control	Integrated Microprocessor PID Control Auto STOP Timer
Sensor	Class A Pt-100 $\Omega$ Sensor
Safety	Over-Temperature Cut-Off Over Current Cut-Off
Material	Body : Epoxy Powder Coated Steel Chamber : Stainless Steel 304 Window Glass : Tempered Safety
Electric	220 ± 10% VAC 50/60Hz 1-Phase

Plug config.



or



CEE 7/7 Schuko

BS 1363

### Control Accuracy

- Integrated Digital PID Controller with  $\pm 0.1$  °C temperature control resolution, shaking speed by  $\pm 1$  rpm and automatic STOP timer max. 99min 59sec / 99hr 59min / 99 day 23 hr
- Dual digital LED displays operating status of TEMP, RPM and remaining TIME
- Temperature calibration, auto-tuning function
- Class A Pt-100  $\Omega$  sensor

	Heated    amb.+5 °C ~ 70 °C
	Cooled    +10 °C to 70 °C
	Timer Off
	20 ~ 350 rpm Orbital or Reciprocal
	Max. Load    25 kgs

- ▶ 통합형 PID 컨트롤러는 배양기의 온도를  $\pm 0.1^{\circ}\text{C}$  교반속도를  $\pm 1$  rpm 단위로 제어하고 타이머 설정 최대 99분 59초 / 99시간 59분 / 99일 23시간
- ▶ 두 개의 디스플레이는 설정온도, 현재온도, 교반속도, 잔여시간등 작동상태를 표시
- ▶ 온도 및 속도 보정, 오토튜닝 기능 내장
- ▶ Class A Pt-100 온도센서

## Performance

- ▶ Durable epoxy powder coated metallic casing
- ▶ Corrosion resistant Stainless Steel 304 chamber
- ▶ Durable Stainless Steel 304 Sheath Heater and copper-aluminum finned evaporator
- ▶ Forced circulation for excellent thermal uniformity
- ▶ Separate heating and cooling compartment prevent contamination and maintenance free
- ▶ Cooling system with hermetically sealed compressor
- ▶ Durable shaking mechanism with powerful AC motor supports orbital or reciprocal shaking motion

## Convenience

- ▶ Easy-to-open self-balanced door with air tight packing and glass window, lighting in chamber for easy observation during cultivation
- ▶ Door switch to cut-off shaking motion when put in and out sample
- ▶ Auto-defrost system, user settable interval and time
- ▶ Height adjustable level feet for balancing, anti-vibration
- ▶ Various choice of shaking platforms

## Safety

- ▶ DUAL OVER TEMP. CUT-OFF
- ▶ MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM
- ▶ MAX RPM CUT-OFF motor and AUDIO VISUAL ALARM
- ▶ MOTOR FAILURE ALARM
- ▶ DOOR SWITCH
- ▶ SENSOR DISCONNECTION ALARM
- ▶ OVER CURRENT CUT-OFF

## Accessories

Art No.	Descriptions	
PHF-P11	Adaptor Kit for Reciprocal Motion	
PHF-U50	Universal Spring Rack	W490 x D470 mm
PHF-P50	Flask Holder Platform	W500 x D465 mm
PHF-M50	Non-Slip Rubber Mat	W500 x D465 mm
PHF-Pxx	Polycarbonate Flask Holder	50 ~ 1000 ml
PHF-Sxx	Stainless Steel Flask Holder	100 ~ 5000 ml
PHF-Txx	Test Tube Rack	Dia. 8 ~ 35 mm

*Shaking Incubator supplied without shaking platform and accessories  
Refer Ordering Information page 56*

## Ordering Information

		JSSI-100T	JSSI-100C
Chamber Volume (Capacity)		110 L	
Dimensions	Inner	545 x 585 x 345	
W x D x H mm	Outer	770 x 715 x 790	
	Platform	W500 x D465 mm	
Temperature	Range	ambient +5 °C ~ 70 °C	+10 °C ~ 70 °C
	Accuracy	$\pm 0.2^{\circ}\text{C}$ at 37 °C	$\pm 0.2^{\circ}\text{C}$ at 25 °C
	Uniformity	$\pm 1.0^{\circ}\text{C}$ at 37 °C	$\pm 1.0^{\circ}\text{C}$ at 25 °C
Shaking	Motion	Orbital or Reciprocal	
	Speed /Stroke	20 ~ 350 rpm / 20mm	
Working Light		25 Watt Bulb	
Heater Capacity		400 Watt	700 Watt
Refrigeration System		None	CFC Free Air Cooled Compressor
Power Rating		2.2 Amp	5.8 Amp
Electric		220VAC 50/60Hz 1P	
Power Plug		CEE 7/7 Schuko	