



**SHAKING INCUBATOR (STACK TYPE)  
LSI-D1 SERIES**

# SHAKING INCUBATOR (STACK TYPE) LSI-D1 SERIES

Shaking Incubator (stack type) LSI-D10 has a temperature range from 4 °C to 60 °C and its rotating speed is from 50 to 300 rpm. The vibrating range of the device is  $\phi$  25 mm. It stand with a maximum capacity of 2000 ml  $\times$  12 or 1000 ml  $\times$  18 or 500 ml  $\times$  35 or 250 ml  $\times$  40 with a temperature accuracy of  $\pm$  0.1 °C. The device uses microprocessor PID control system for smooth functioning. Additionally it has an automatic alarm system for over-temperature, over-speed and for over-current to protect the device. It also consist of advanced Unishaft drive with low noise operation. The inner wall is made of stainless steel and has good corrosion resistance. And the external wall is made of cold-rolled steel with anti-bacteria power coating.

Shaking Incubator (stack type) LSI-D11 has a temperature range from RT + 5 °C to 60 °C and its rotating speed is from 50 to 300 rpm. The vibrating range of the device is  $\phi$  25 mm. It stand with a maximum capacity of 2000 ml  $\times$  12 or 1000 ml  $\times$  18 or 500 ml  $\times$  35 or 250 ml  $\times$  40 with a temperature accuracy of  $\pm$  0.1 °C. The device uses microprocessor PID control system for smooth functioning. Additionally it has an automatic alarm system for over-temperature, over-speed and for over-current to protect the device. It also consist of advanced Unishaft drive with low noise operation. The inner wall is made of stainless steel and has good corrosion resistance. And the external wall is made of cold-rolled steel with anti-bacteria power coating.

## FEATURES

- Advanced Unishaft drive with low noise operation
- Alarm function is available for audio as well as visual
- When the motor is overheating and temperature is out of control automatic power-off protection system is activated
- Shaking plate of the device is made of electroplating aluminum, anti-rust or anti-corrosion
- Eight self-compiled programs, with different speed and time setting
- Automatic operation, auto-stop, timing, time display, parameters memory and recovery function
- LCD display is used to show the result of the experiment

## APPLICATIONS

Shaking Incubator (stack type) is used for the studies of solubility. It can be also used for growth of any kind of cell including bacterial cultures, tissue cultures and yeast incubator.

## SPECIFICATIONS

Model No.	LSI-D10	LSI-D11
Display	LCD	
Circulation Mode	Forced convection	
Shaking Mode	Rotatory Shaking	
Drive Mode	Unishaft drive	
Temperature Range	4 °C to 60 °C	RT + 5 °C to 60 °C
Temperature Accuracy	± 0.1 °C	
Temperature Uniformity	± 0.25 °C	
Rotating Speed	50 to 300 rpm	
Rotating Accuracy	± 1 rpm	
Vibration Range	Φ 25 mm	
Refrigerant	CFC-Free, 134 A	/
Cooling Consumption	200 W	/
Heating Consumption	800 W	
Timing Range	0 to 500 hours	
Shaking Plate Size	850×560 mm	
Standard Capacity	250 ml × 40	
Maximum Capacity	2000 ml × 12 or 1000 ml × 18 or 500 ml × 35 or 250 ml ×	
Internal Material	Mirror stainless steel	
External Material	Cold-rolled steel with anti-bacteria power coating	
Safety function	Audio and visual alarm for over-temperature; Alarm for over-speeds; Independent over-temperature protector;	
Consumption	1120 W	960 W
Power Supply	AC 110 V / 220 V ± 10 %, 50 / 60 Hz	
Internal Size	870×550×395 (per unit) mm	
External Size	1300×910×980 mm (per unit)	
Package Size	1400×1010×1130 mm (per unit)	
Gross Weight	410 kg (per unit)	

## STANDARD ACCESSORIES

Acc. No.	Name	Quantity
1	250 ml Flask Clamp	40 pcs

## OPTIONAL ACCESSORIES

Optional Acc. No.	Name
1	250 ml Flask Clamp
2	500 ml Flask Clamp
3	1000 ml Flask Clamp
4	2000 ml Flask Clamp