



## **Shaking Incubator (Stack Type) LD-LSI-D10**

**Labodam Equipment Ltd.**

**[info@labodam.com](mailto:info@labodam.com) | [www.labodam.com](http://www.labodam.com)**

# Shaking Incubator (Stack Type) LD-LSI-D10

## Overview

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  $\pm 25$  mm. It stand with a maximum capacity of 2000 ml — 12 or 1000 ml — 18 or 500 ml — 35 or 250 ml — 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:

|               |                                         |
|---------------|-----------------------------------------|
| Display       | LCD                                     |
| Drive Mode    | Unishaft drive                          |
| Consumption   | 1120 W                                  |
| Refrigerant   | CFC-Free, 134 A                         |
| Gross Weight  | 410 kg (per unit)                       |
| Package Size  | 1400×1010×1130 mm (per unit)            |
| Power Supply  | AC 110 V / 220 V $\pm$ 10 %, 50 / 60 Hz |
| Shaking Mode  | Rotatory Shaking                        |
| Timing Range  | 0 to 500 hours                          |
| External Size | 1300×910×980 mm (per unit)              |

|                               |                                                                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Internal Size</b>          | 870×550×395 (per unit) mm                                                                                                                                                            |
| <b>Rotating Speed</b>         | 50 to 300 rpm                                                                                                                                                                        |
| <b>Safety function</b>        | Audio and visual alarm for over-temperature; Alarm for over-speeds; Independent over-temperature protector; Shutdown protection for door opening; Leakage or over-current protection |
| <b>Vibration Range</b>        | ± 25 mm                                                                                                                                                                              |
| <b>Circulation Mode</b>       | Forced convection                                                                                                                                                                    |
| <b>Maximum Capacity</b>       | 2000 ml × 12 or 1000 ml × 18 or 500 ml × 35 or 250 ml × 40                                                                                                                           |
| <b>External Material</b>      | Cold-rolled steel with anti-bacteria power coating                                                                                                                                   |
| <b>Internal Material</b>      | Mirror stainless steel                                                                                                                                                               |
| <b>Rotating Accuracy</b>      | ± 1 rpm                                                                                                                                                                              |
| <b>Standard Capacity</b>      | 250ml × 40                                                                                                                                                                           |
| <b>Temperature Range</b>      | 4 °C to 60 °C                                                                                                                                                                        |
| <b>Shaking Plate Size</b>     | 850×560 mm                                                                                                                                                                           |
| <b>Cooling Consumption</b>    | 200 W                                                                                                                                                                                |
| <b>Heating Consumption</b>    | 800 W                                                                                                                                                                                |
| <b>Temperature Accuracy</b>   | ± 0.1 °C                                                                                                                                                                             |
| <b>Temperature Uniformity</b> | ± 0.25 °C                                                                                                                                                                            |