

# INCUBATOR SHAKER

## ALS-INS019



## DESCRIPTION

The ALS-INS019 IS Series of Incubator Shakers are versatile, reliable, and space-saving devices designed for efficient microbial culturing. Available in various sizes, these models are offered in both cooling and non-cooling variants, providing flexibility for different laboratory needs. Their simple design and ease of operation make these incubator shakers highly efficient for a variety of applications.

## KEY FEATURES

- **Triple Drive Mechanism:** The triple drive mechanism connects to the shaking tray, providing robust and balanced shaking for extended use.
- **Easy Cleaning:** Front drain port for easy drainage of accidental spills. Portability: Optional stand with wheels allows easy movement of the unit.
- **Flexible Platform:** Accommodates a variety of clamps and flasks. Sticky mats are available for universal use.
- **Screw Mounting:** Flexible screwing options allow for secure fixing of clamps and holders for test tubes at desired positions on the platform.
- **Space-Saving Design:** With a height of less than 2.5 feet, the unit can be placed below the working bench, making it ideal for small laboratories.
- **Cooling and Non-Cooling Models:** Available with cooling as a standard feature, with non-cooling "eco" versions available on demand.
- **Viewing Window:** Equipped with a light switch to observe processes during operation.
- **Customizable Options:** Custom configurations are available on demand.

## TECHNICAL SPECIFICATION

<b>Shaker Speed</b>	(20 - 250 RPM) (350,400 & 500 OPTIONAL)
<b>Orbit Diameter</b>	ø 25 mm
<b>Accuracy</b>	± 2% of maximum speed
<b>Temperature range</b>	5°C above RT to 60°C & with cooling 5°C-60°C (Customize temperature options available)
<b>Resolution</b>	0.1°C
<b>Temp. accuracy</b>	± 0.3°C
<b>Power supply</b>	230V ± 10%, 50Hz



## TECHNICAL SPECIFICATION

Loading Capacity with platform size (Inch)				
Flasks	12X12	16X16	18X18	24X24
50ml	19	40	45	60
100ml	12	16	18	24
250ml	9	12	16	24
500ml	4	6	8	10
1000ml	2	3	3	5
2000ml	1	2	2	4

## COOLING INCUBATOR SHAKER

Ordering Information	
ALS-INS019-I	Cooling Incubator Shaker with 12x12in platform
ALS-INS019-II	Cooling Incubator Shaker with 16x16in platform
ALS-INS019-III	Cooling Incubator Shaker with 18x18in platform
ALS-INS019-IV	Cooling Incubator Shaker with 24x24in platform

## NON-COOLING INCUBATOR SHAKER

Ordering Information	
ALS-INS019-N1	Incubator Shaker with 12x12in platform
ALS-INS019-N2	Incubator Shaker with 16x16in platform
ALS-INS019-N3	Incubator Shaker with 18x18in platform
ALS-INS019-N4	Incubator Shaker with 24x24in platform

## CONTROLLER FEATURES:

1. Equipped with intuitive buttons for setting temperature, timer, and RPM.
2. Includes safety alarms for over-temperature and over-speed conditions.
3. Optional defrosting function for added convenience.
4. Displays error codes for easy troubleshooting.
5. Available with an optional UV light feature.
6. Integrated control for LED lighting.
7. Programmable timer with a range of 0 to 999 hours and 59 minutes.
8. Featuring two modes:
  - a. **Mode A:** Timer starts counting as soon as the operation begins.
  - b. **Mode B:** Timer activates when the set parameters are achieved
9. Motor direction can be reversed, with customizable acceleration and deceleration profiles.
10. Dual compressor modes:
  - a. **Balanced Mode:** For consistent operation.
  - b. **Intermittent Mode:** For energy efficiency

