

# ALMANAC LIFE SCIENCE INDIA PVT. LTD.

(Regd. Under Ministry of Corporate Affair, Registrar of Companies Delhi)

# INCUBATOR SHAKER ALS-INC03S





### DESCRIPTION

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





# **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-24ISC	Cooling Incubator Shaker with 12x12in platform		
ALS-18ISC	Cooling Incubator Shaker with 16x16in platform		
ALS-16ISC	Cooling Incubator Shaker with 18x18in platform		
ALS-12ISC	Cooling Incubator Shaker with 24x24in platform		

# NON-COOLING INCUBATOR SHAKER

Ordering Information			
ALS-121S	Incubator Shaker with 12x12in platform		
ALS-16IS	Incubator Shaker with 16x16in platform		
ALS-18IS	Incubator Shaker with 18x18in platform		
ALS-241S	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.

