

## Jeio Tech 80 Litre Chamber Incubator Shaker (ISS-3075)

**Product Code:** AAH23432K

**Brand:** Jeio Tech

The Jeio Tech 80 Litre Chamber Incubator Shaker (ISS-3075) is specially designed to be double-stacked on the floor or located on lab benches for space saving. This multi-purpose incubator shaker features a wide temperature control range and large chamber volume.

It also comes with two adjustable-height shelves, which enables static incubation or refrigeration to be performed as well as increase storage capacity.

### Features

#### Performance

- Temperature range ambient from +5°C to 80°C
- Competitive high shaking speed up to 500rpm (stackable up to 250rpm)
- Orbital shaking motion in 19.1mm diameter
- Microprocessor PID control
- Three point temperature calibration/automatic tuning
- Wide speed range even with heavy workload. Equipped with a maintenance-free BLDC motor to generate a smooth, quiet, uniform, and yet powerful shaking motion
- Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity. Automatic shaking speed adjustment in case of excessive workload such as unbalanced load placement, unusual vibrations caused from unstable floor or external shock
- Pleasant test environment by the smooth acceleration and deceleration control. Smooth start and smooth stop function prevents chemical spills from flasks or test tubes
- High-velocity fan ensures uniform temperature distribution and rapid thermal recovery after the door is opened
- Air-tight silicone door seal to provide excellent temperature uniformity

#### Convenience

- Intuitive touch screen LCD controller with easy icons and logical menus
- Easy-set digital timer for shaking operation (1 min. to 999 hr. 59 min.)
- Wide sample monitoring. Clear observation of samples without affecting inner chamber's environment thanks to the transparent viewing window with bright LED lamps
- Repetitive task can be easily performed as the platform stops where it starts. Stopping the shaking platform always at the same position is highly beneficial for automated closing or sampling process
- Two adjustable-height shelves provided allow static incubation or refrigeration, which increase storage capacity
- Built-in electrical outlet with a safety cover inside the chamber.
- Corrosion resistance stainless steel interior
- Easy-access drain system with a quick disconnect valve offers great convenience to clean up spills
- Built RS-232 port and USB port for external control and data collection
- Retractable foot caster, beneficial for easy mobility during installation or relocation (optional)

#### Safety

- Automatic run after power interruption
- Temperature and shaking speed deviation alarm
- Over-current protection, stalled platform check
- Triple independent temperature monitor system: temperature deviation alarm (high/low), electronic temperature limiter (high/low), and mechanical over-temperature limiter (high)
- Audible and visible open door alarms



# Specifications

<b>Temperature</b>	<b>Range (°C)</b>		Amb. +5 to 80
	<b>Fluctuation at 37°C in Flask</b>		± 0.1
	<b>Variation at 37°C in Flask</b>		± 0.5
	<b>Refrigerator (Hp)</b>		-
<b>Shaking System</b>	<b>Motion Type</b>		Orbital
	<b>Amplitude Size (mm)</b>		19.1
	<b>Speed Range (rpm)</b>		20 to 500 (stackable: 20 to 250)
	<b>Accuracy</b>		± 1% of set speed (>100rpm)/± 1 (≤100rpm)
	<b>Timer</b>		1 min. to 999 hr. 59 min.
	<b>Max. Load (kg)</b>		10 at 500rpm 15 at 400rpm 15 at 250rpm (stacked)
<b>Dimensions</b>	<b>Volume (L)</b>		80
	<b>Platform (W x D)</b>		350 x 350mm
	<b>Internal (W x D x H)</b>		440 x 440 x 418mm
	<b>External (W x D x H)</b>		578 x 815 x 854mm
	<b>No. of Wire Shelves (std./max.)</b>		2/8
	<b>Net Weight (kg)</b>		153
<b>Electrical Requirements (230V)</b>			50Hz, 6.2A
<b>Max. Mountable Flask Clamps</b>	<b>Stainless Steel</b>	<b>For 50ml</b>	36
		<b>For 100ml</b>	24
		<b>For 250ml</b>	14
		<b>For 300ml</b>	
		<b>For 500ml</b>	9
		<b>For 1 Litre</b>	6
		<b>For 2 Litres</b>	4
		<b>For 2.8 Litres</b>	2
	<b>Plastic</b>	<b>For 50ml</b>	36
		<b>For 100 - 125ml</b>	19
		<b>For 200ml</b>	13
		<b>For 250ml</b>	
		<b>For 300ml</b>	12
		<b>For 500ml</b>	9
		<b>For 1 Litre</b>	5
		<b>For 2 Litres</b>	4

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