

## Jeio Tech 83 Litre Bench Top Incubator Shaker (IST-4075R)

**Product Code:** AAH23722K

**Brand:** Jeio Tech

With its wide speed range, the Jeio Tech 83 Litre Bench Top Incubator Shaker (IST-4075R) is a digital incubating/refrigerating bench top orbital shaker that allows laboratories to carry out effective sample preparation in a temperature-controlled environment. Its maintenance-free BLDC motor produces a quiet but powerful shaking motion. This shaking incubator also comes with an intuitive touch-screen LCD controller with easy icons and logical menus, along with a simple digital timer for shaking operations. Platform required (not included).

### Features

#### Performance

- Temperature range ambient from -15°C to 80°C
- Competitive high shaking speed up to 500rpm
- Orbital shaking motion in 19mm 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 and convenient sample loading. Convenient sample monitoring without affecting inside environment thanks to the three side transparent acrylic lid with bright LED lamps. Gas spring lid supports providing smooth motion, soft opening and closing
- 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
- Corrosion resistance stainless steel interior
- Built RS-232 port and USB port for external control and data collection

#### Safety

- Automatic run after power interruption
- Temperature and shaking speed deviation alarm
- Over-current protection, stalled platform check
- Mechanical over-temperature protection device
- Environment-friendly CFC-free refrigerant
- Audible and visible open door alarms



# Specifications

<b>Volume (L)</b>		83	
<b>Temperature Range (°C)</b>		Amb. -15 to 80	
<b>Fluctuation at 37°C</b>		± 0.1	
<b>Variation at 37°C</b>		± 0.5	
<b>Orbit Diameter (mm)</b>		19.1	
<b>Speed Range (rpm)</b>		20 to 500	
<b>Max. Load (kg)</b>		14 at 500rpm 21 at 400rpm	
<b>Platform Dimensions (W x D)</b>		450 x 450mm	
<b>Internal Dimensions (W x D x H)</b>		510 x 510 x 320mm	
<b>External Dimensions (W x D x H)</b>		540 x 890 x 510mm	
<b>Net Weight (kg)</b>		81	
<b>Max. Mountable Flask Clamps</b>	<b>Stainless Steel</b>	<b>For 50ml</b>	49
		<b>For 100ml</b>	39
		<b>For 250ml</b>	20
		<b>For 300ml</b>	
		<b>For 500ml</b>	16
		<b>For 1 Litre</b>	9
		<b>For 2 Litres</b>	5
		<b>For 2.8 Litres</b>	4
	<b>Plastic</b>	<b>For 50ml</b>	49
		<b>For 100 - 125ml</b>	29
		<b>For 200ml</b>	21
		<b>For 250ml</b>	19
		<b>For 300ml</b>	
		<b>For 500ml</b>	12
<b>For 1 Litre</b>	9		
<b>For 2 Litres</b>	4		

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