

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

Product Code: AAH23622K

Brand: Jeio Tech

With its wide speed range, the Jeio Tech 83 Litre Bench Top Incubator Shaker (IST-4075) 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 +5°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
- Audible and visible open door alarms



Specifications

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

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