

Jeio Tech 270 Litre Floor Standing Incubator Shaker (ISF-7100)

Product Code: AAH23342K

Brand: Jeio Tech

The Jeio Tech 270 Litre Floor Standing Incubator Shaker (ISF-7100) can hold up to five 6 litre flasks and carry out heavy workload whilst delivering a rapid heating and cooling performance.

Comes with an exclusive drive mechanism. With its ergonomic design, this floor standing shaking incubator can deliver years of trouble-free service.

Features

Performance

- Temperature range ambient from +5°C to 80°C
- Competitive high shaking speed up to 500rpm
- Orbital shaking motion in various diameter
- Microprocessor PID control
- Three point temperature calibration/automatic tuning
- Wide speed range even with heavy workload. Ideal DD (Direct Drive) brushless motor and triple cam system support heavy workload, quiet, maintenance-free operation, and deliver high torque at high speeds and smooth rotation
- 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.)
- Easy sample monitoring and convenient sample loading. Clear observation of samples without affecting inner chamber's environment thanks to the transparent top viewing window with bright LED lamps. The lid is inclined gently towards the front for easy observation of samples in the chamber. 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
- 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
- Sturdy foot caster, beneficial for easy mobility during installation or relocation

Safety

- Automatic run after power interruption
- Temperature and shaking speed deviation alarm
- Over-current protection
- 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

Temperature	Range (°C)		Amb. +5 to 80
	Fluctuation at 37°C in Flask		± 0.1
	Variation at 37°C in Flask		± 0.5
	Refrigerator (Hp)		-
Shaking System	Motion Type		Orbital
	Amplitude Size (mm)		25.4
	Speed Range (rpm)		30 to 500
	Accuracy		± 1% of set speed (>100rpm)/± 1 (≤100rpm)
	Timer		1 min. to 999 hr. 59 min.
	Max. Load (kg)		15 at 500rpm 25 at 400rpm 35 at 300rpm
Dimensions	Volume (L)		270
	Platform (W x D)		755 x 520mm
	Internal (W x D x H)		894 x 634 x 480mm
	External (W x D x H)		1128 x 854 x 1035mm
	Net Weight (kg)		277
Electrical Requirements (230V)			50/60 Hz, 3.7A
Max. Mountable Flask Clamps	Stainless Steel	For 50ml	88
		For 100ml	68
		For 250ml	39
		For 300ml	
		For 500ml	28
		For 1 Litre	18
		For 2 Litres	11
		For 2.8 Litres	8
		For 4 Litres	6
	For 6 Litres	5	
	Plastic	For 50ml	88
		For 100 - 125ml	48
		For 200ml	35
		For 250ml	
		For 300ml	24
For 500ml			
For 1 Litre		12	
For 2 Litres	8		

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