

Jeio Tech Stackable Incubator Shakers (ISS Series)

Brand: Jeio Tech

Maximise your laboratory space with Jeio Tech's Stackable Incubator Shakers (ISS Series).

These large, multi-purpose incubator shakers allow the user to freely organise different sample sizes and can stack up to three units. The 198 litre chambers can accommodate six of 4 litre flasks and also thirty-nine of 250ml flasks. If you decide to stack all three units, you can make the capacity triple with high rpm still guaranteed.

Each incubator shaker comes with a lift-up opening door and slide out platform, which enables easy sample handling. The door is opened upward and stayed open for hands-free handling.

A slide type universal platform will let you access all of your samples, even ones placed at the back. An optional stand is available and highly recommended for comfort use.

Features:

Performance:

- **Temperature Range:** Ambient +10°C to 80°C for ISS-7100/7200 and ambient -20°C (Min. 4) to 80°C for ISS-7100R/7200R.
- Competitive high shaking speed up to 400rpm (stackable up to 250rpm). From 30 to 400rpm (stackable: 30 to 250) for ISS-7100(R) and from 30 to 300rpm (stackable: 30 to 200) for ISS-7200(R).
- **Orbital Shaking Motion in Various Diameters:** 25.4mm for ISS-7100(R) and 50.8mm for ISS-7200(R).
- 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 load, 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 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 tasks 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.
- 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-in RS-232 and USB port for external control and data collection.
- The unit comes with retractable 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)
- Environment-friendly CFC-free refrigerant (for ISS-7100R/7200R).



Specifications:

Model(s)		ISS-7100	ISS-7100R	ISS-7200	ISS-7200R
Product Code(s)		AAH238132K	AAH238232K	AAH239132K	AAH239232K
Temperature	Range (°C)	Amb. +10 to 80	Amb. -20 (Min. +4) to 80	Amb. +10 to 80	Amb. -20 (Min. +4) to 80
	Fluctuation at 37°C in Flask	± 0.1			
	Variation at 37°C in Flask	± 0.5			
	Refrigerator (Hp)	-	1/6	-	1/6
Shaking System	Motion Type	Orbital			
	Amplitude Size (mm)	25.4		50.8	
	Speed Range (rpm)	30 to 400 (stackable: 30 to 250)		30 to 300 (stackable: 30 to 300)	
	Accuracy	± 1% of set speed (> 100rpm)/± 1 (≤ 100rpm)			
	Timer	1 min. to 999 hr. 59 min.			
	Max. Load (kg)	20 at 400rpm 15 at 250rpm (stacked) 20 at 200rpm (stacked)		20 at 300rpm 15 at 200rpm (stacked) 20 at 150rpm (stacked)	
Dimensions	Volume (litres)	198			
	Platform (w x d)	755 x 520mm			
	Internal (w x d x h)	809 x 624 x 393mm			
	External (w x d x h)	1310 x 996 x 755mm			
	Net Weight (kg)	365	375	365	375
Electrical Requirements (230V)		50Hz, 3.7A	50Hz, 5.6A	50Hz, 3.7A	50Hz, 5.6A
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		
	Plastic	For 50ml	88		
		For 100 - 125ml	48		
		For 200ml	33		
		For 250ml			
		For 300ml	24		
For 500ml					
For 1 Litre		12			
For 2 Litres	8				

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