

Jeio Tech 198 Litre Stackable Incubator Shaker (ISS-7100R)

Product Code: AAH238232K

Brand: Jeio Tech

Maximise your laboratory space with the Jeio Tech 198 Litre Stackable Incubator Shaker (ISS-7100R).

This large, multi-purpose incubator shakers allows the user to freely organise different sample sizes and can stack up to three units. It can accommodate, for example, six 4 litre flasks and also thirty-nine 250ml flasks. If you decide to stack all three units, you can triple the capacity, although the highest rpm will be reduced.

The incubator shaker's door is opened upwards and stays open for hands-free handling. A slide type universal platform will let you easily access all of your samples, even ones placed at the back.

An intuitive touch-screen LCD controller with easy icons and logical menus is included. Universal platform is required (not included).

Features

Performance

- **Temperature Range:** Ambient -20°C (Min. 4) to 80°C
- Competitive high shaking speed up to 400rpm (stackable up to 250rpm)
- 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



Specifications

Volume (L)		198	
Temperature Range (°C)		Amb. -20 (Min. 4) to 80	
Fluctuation at 37°C		± 0.1	
Variation at 37°C		± 0.5	
Orbit Diameter (mm)		25.4	
Speed Range (rpm)		30 to 400	
Speed Range, stacked (rpm)		30 to 250	
Timer		1 min. to 999 hr. 59 min.	
Max. Load (kg)		20 at 400rpm	
Max. Load, stacked (kg)		15 at 250rpm (stacked) 20 at 200rpm (stacked)	
Platform Dimensions (W x D)		755 x 520mm	
Internal Dimensions (W x D x H)		809 x 624 x 393mm	
External Dimensions (W x D x H)		1310 x 996 x 755mm	
Weight (kg)		375	
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	
For 2 Litres	8		

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