

Jeio Tech Advanced Orbital Shakers (SKC Series)

Brand: Jeio Tech

The innovative Jeio Tech Advanced Orbital Shakers (SKC Series) each have a wide speed range, offering laboratories a reliable performance.

These lab shakers are specially designed to carry out heavy-duty and trouble-free operations continuously. They can hold up to 102 flasks (250ml) simultaneously on a dual universal platform where their direct drive brushless motor and triple cam system can support heavy, quiet, maintenance-free operations and give the shakers high torque at a high speed and gentle rotation.



Features:

Performance:

- Microprocessor PID control maintaining constant speed.
- Competitive high shaking speed up to 500rpm. Also stable shaking is available even at low speed.
- Orbital shaking motion in various diameters (19mm for SKC-6075/7075, 25mm for SKC-6100/7100, and 50mm for SKC-6200/7200).
- 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 if 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 prevent chemical spills from flasks or test tubes.
- Exceptional low-profile design (only 12cm from bottom to platform) minimises vibration or sliding caused by the high speed shaking motion.

Convenience:

- It is available to equip 102 flasks (250ml) simultaneously on a dual universal platform (optional).
- **User-friendly control panel:** Jeio Tech's VFD (bright, clear, easy to read) and durable membrane touch switch and control knob.
- Easy-exchangeable slide type universal platform reduces physical fatigue when handling the heavy load samples (optional).
- 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.
- Variety of accessories are available to meet application demands.

Safety:

- Shaking speed deviation alarm.
- Over-current protection.

Specifications:

Model(s)		SKC-6075	SKC-6100	SKC-6200	SKC-7075	SKC-7100	SKC-7200
Product Code(s)		AAH30105K	AAH30115K	AAH30125K	AAH30205K	AAH30215K	AAH30225K
Control System		PID feedback control					
Display		VFD					
Shaking System	Motion Type	Orbital					
	Amplitude Size (mm)	19	25	50	19	25	50
	Speed Range (rpm)	30 to 500					
	Accuracy at 100rpm	± 1					
Dimensions	Platform (w x d)	580 x 520mm			755 x 520mm		
	Body (w x d x h)	660 x 520mm			885 x 520mm		
	Net Weight (kg)	65			75		
Electrical Requirements (230V, 50/60Hz)		0.4A					

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