

Shakers

Advanced Orbital Shakers



Please visit JEIOTECH.com

For further information on Jeio Tech's Shaker products
Information is readily available on our website.



SKC - 7075

Optional Accessories
• see page 134-137

- Universal Platforms, Dual Universal Platforms
- Rubber Mats, Universal Attachments
- Flask Clamps, Funnel Clamps
- Test Tube Racks, Spring Wire Racks, Half Spring Wire Racks
- Microplate Holders
- Lab Sticker

SKC Control Display



Shakers

Advanced orbital Shakers

Innovative triple-cam shaking mechanism with offering reliable performance across a wide speed range.

Specially designed to carry out heavy-duty and trouble-free operations continuously.

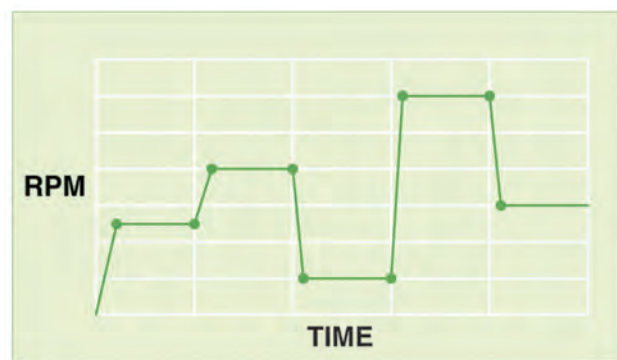
► Constructional Features

- Ideal DD(Direct Drive) Brushless Motor and triple cam system support heavy loads, quiet (beltless, brushless, and gearless), maintenance free, and delivers high torque at high speeds, smooth rotation.
- Special acceleration and deceleration circuitry:
 - Stopping the shaking table always at the same position allowing for automated dosing or sampling.
 - Providing smooth start and smooth stop preventing chemical spills from flasks or test tubes.
- Low-profile design (122 mm high) minimizing vibration or sliding caused by the high speed shaking motion.
- Chemicals-resistant and durable construction.
- Dirt-repellent external surface with power coating.
- Convenient universal platform exchange sliding.
- Various accessories.

► Operating Features

- Microprocessor PID control maintaining constant speed.
- Wide speed range: 30 to 500 rpm
- Digital timer with Delayed ON/OFF function: ranging from 1min to 99 hr 59 min.
- Intuitive, splash-proof, and easy-to-clean control panel with a vivid and colorful vacuum fluorescent display (VFD), touch-sensitive buttons, and a dial knob.
- Automatic adjusted shaking speed when load imbalance or unusual vibration is detected by the sensor.

► Progressive Program Operation



Programming parameters

Programming parameters		
Maximum Number of segments in one(1) pattern(Cycle)		20
Maximum Number of Patterns(Cycle) saved		20
Shaking Motion - Forward & Backward, Pause	Time	1min to 99hr 59min
	RPM	30 to 500

- Adopted bright VFD display, and capacitive touch sensor button.
- Digital timer: 1min 99hr 59min, delayed ON / OFF.

► Specifications & Ordering Information



Model			SKC-6075		SKC-6100		SKC-6200		SKC-7075		SKC-7100		SKC-7200	
Control System			Feedback control PID											
Display			VFD											
Shaking System	Motion Type		Orbital											
	Speed Range ¹⁾ (RPM)		30 to 500											
	Accuracy at 100 RPM		±1											
	Amplitude Size (mm / inch, dia)		19 / 0.75		25 / 1		50 / 2		19 / 0.75		25 / 1		50 / 2	
Dimension	Platform (WxD) (mm / inch)	Small	580×520 / 22.8×20.5						755×520 / 29.7×20.5					
		Large	660×520 / 26×20.5						885×520 / 34.8×20.5					
	Overall (WxDxH) (mm / inch)		582.8×618 ×122.2						754.8×662×122.2					
	Net Weight (kg / lbs)		22.9×24.3×4.8						29.7×26.1×4.8					
			65 / 143.3						75 / 165.4					
Electric Requirements (230V, 50 / 60Hz)			0.4A											
Cat. No.			AAH30105K		AAH30115K		AAH30125K		AAH30205K		AAH30215K		AAH30225K	
Electric Requirements (120V, 50 / 60Hz)			0.8A											
Cat. No.			AAH30106U		AAH30116U		AAH30126U		AAH30206U		AAH30216U		AAH30226U	

1) When operating at high speed (350 ~ 500 rpm), it should be recommended to use an optional attachment to be fixed on the floor of the working place.