

Jeio Tech Open Air Shakers - Dual Action (OS Series)

Brand: Jeio Tech

Jeio Tech's Open Air Shakers - Dual Action (OS Series) offer two dual action shaking motions with numerous amplitude settings: orbital and reciprocating.

With their compact and interchangeable design, these lab shakers can accommodate various types and sizes of vessels (flasks up to 6 litres) and are suitable for use in chambers.

Features:

Performance:

- Dual-action shaking motion: orbital/reciprocating.
- Microprocessor PID control/shaking speed calibration.
- Competitive high shaking speed up to 500rpm. Also stable shaking is available even at low speed.
- Shaking motion in various amplitude (12.7 or 19.1mm for OS-2000 and 19.1mm or 25.4mm for OS-3000).
- Wide speed range even with heavy workload. Equipped with a maintenance-free BLDC motor to generate smooth, quiet, uniform, and yet powerful shaking motion.
- Best effort run function intelligently manages its rpm to keep shaking even if workload is out of its capacity.
- Pleasant test environment by the smooth acceleration and deceleration control.
- Low-profile design minimises vibration or sliding caused by the high speed shaking motion.

Convenience:

- **User-friendly control panel:** Jeio Tech's unique VFD (bright, clear, easy to read) and durable membrane touch switch and control knob.
- Easy-set digital timer (1 min. to 999 hr. 59 min.).
- 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 dosing or sampling process.
- Speed is basically set and displayed in increments of 1rpm. Also speed increment interval can be set among 1, 5, 10rpm according to users preference.
- RS-232 port and USB port for external control and data collection.

Safety:

- Automatic run after power interruption.
- Shaking speed deviation alarm.



Specifications:

Model(s)		OS-2000	OS-3000	
Product Code(s)		AAH3D1115K	AAH3D1215K	
Shaking System	Motion Type	Orbital or Reciprocating (motion selectable)		
	Amplitude Size (mm)	19.1 (12.7 available)	19.1 (25.4 available)	
	Speed Range (rpm)	20 to 500		
	Accuracy	± 1% of set speed (> 100rpm)/± 1 (≤ 100rpm)		
	Timer	1 min. to 99 hr. 59 min.		
Max. Load (kg)		10 at 500rpm in orbital shaking motion 8.5 at 500rpm in reciprocating shaking motion		
Dimensions	Platform (w x d)	320 x 260mm	350 x 350mm	
	Body (w x d x h)	354 x 388 x 146mm	409 x 508 x 141mm	
	Net Weight (kg)	22	28	
Electrical Requirements (230V, 50/60Hz)		0.3A		
Max. Mountable Flask Clamps	Stainless Steel	For 50ml	20	36
		For 100ml	16	28
		For 250ml	8	14
		For 300ml		
		For 500ml	6	10
		For 1 Litre	3	6
		For 2 Litres	-	4
		For 2.8 Litres	-	3
		For 4 Litres	-	1
	For 6 Litres	-		
	Plastic	For 50ml	20	36
		For 100 - 125ml	12	19
		For 200ml	8	13
		For 250ml		
		For 300ml	6	12
		For 500ml		9
For 1 Litre		3		5
For 2 Litres	-	4		

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