

Open Air Shaker - Dual Action

Dual-action benchtop Platform Shakers accommodate flask up to 6L

Operating Features

- Microprocessor PID control and shaking speed calibration
- Dual-action shaking motion: Orbital or Reciprocating
- Speed range: 10 to 500rpm
- Timer range: 1 min to 999 hr 59 min
- Adjustable shaking amplitude:
 - 12.7mm or 19.1mm for OS-2000
 - 19.1mm or 25.4mm for OS-3000
- User friendly control panel
 - Unique VFD bright, clear, easy to read
 - Durable membrane touch switch and control knob
- Speed is basically set and displayed in increments of 1 rpm
- Speed increment interval can be set among 1, 5 and 10 rpm according to users preference
- RS-232 port and USB port for external control and data collection



Constructional Features

- Wide speed range even with heavy workload
 - Equipped with a maintenance free BLDC motor to generate smooth, quiet, uniform and yet powerful shaking motion
- 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 processes
- Pleasant test environment by the smooth acceleration and deceleration control
 - Smooth start and smooth stop function prevent chemical spills from flasks or test tubes
- Low profile design minimises vibration or sliding caused by the high speed shaking motion

Safety Features

- Automatic shaking speed adjustment in case of excessive workload, such as unbalanced load placement or vibrations caused by unstable floor or external shock
- Automatic run after power interruption
- Audible/Visible Alarm activated by shaking speed deviation
- Shaker protection system against over-current, stalled platform check

Control Panel



Specifications



Model		OS-2000	OS-3000
Product Code		AAH3D1115K	AAH3D1215K
Shaking System	Motion type	Orbital or Reciprocating motion selectable	
	Amplitude Size (mm/ inch, dia.)	12.7, 19.1/ 0.5, 0.8 (Standard 19.1/ 0.75)	19.1, 25.4/ 0.8, 1 (Standard 19.1/ 0.75)
	Speed Range (RPM)	10 to 500	
	Accuracy	± 1% of set speed (>100rpm)/ ± 1 (<100rpm)	
	Timer	1min to 999 hr 59 min	
Max Load (kg / lbs)		10 / 22.0 at 500rpm in Orbital shaking motion 8.5 / 18.7 at 500 in Reciprocating shaking motion	
Dimension	Platform (WxD) (mm/ inch)	320x260 / 12.6x10.2	350x350 / 13.8x13.8
	Overall (WxDxH) (mm/inch) *	354x388x146 / 13.9x15.3x5.7	409x508x141 / 16.1x20x5.6
	Net Weight (Kg/ lbs)	22 / 48.5	28 / 61.7
Electrical Requirements (230V, 50 / 60Hz)		0.3A	0.3A

*Main unit dimension measured without platform

OS-3000	
Optional Accessories:	- Micro-Tube Rack with Cap - Conical Tube Racks