

## OS-2000 Open-air Shakers (Dual-Action Models)

Manufacturer:

SKU#: 8194-10-0924

Dual-action benchtop platform shakers accommodate flask up to 6L. The most versatile shakers at a reasonable price offer an ideal solution for your mixing needs.



### Product Description

**Safety Features** Worry-free operation. - Automatic shaking speed adjustment in case of excessive workload such as unbalanced load placement, unusual vibrations caused from unstable floor or external shock. Automatic run is available with non-volatile set point memory after power interruption, indicated in control display. Audible/Visible alarm activated by shaking speed deviation. Shaker protection system against over-current, stalled platform check. (Stalled platform check is only for OS-4000) **Operational Features** Microprocessor PID control and shaking speed calibration. Dual-action shaking motion: orbital or reciprocating. Speed range: 10 to 500 rpm. 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.** - Lab Companion s 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. Also speed increment interval can be set among 1, 5, 10 rpm according to users preference. Built-in 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 task 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. 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 minimizes vibration or sliding caused by the high speed shaking motion. Various accessories.

### OS-2000 Open-air Shakers (Dual-Action Models) Specification

Model	OS-2000	OS-3000
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	1 min. to 999 hr 59 min.	
Max Load (kg / lbs)	10 / 22.0 at 500 rpm in Orbital shaking motion 8.5 / 18.7 at 500 in Reciprocating shaking motion.	
Dimensions	Platform (W D) (mm / inch)	320 260 / 12.6 10.2
Exterior (W D H)	354x388x146/ 13.9x15.3x5.7	409x508x141/ 16.1x20x5.6

(mm / Inch) 1)

Net weight (kg / lbs)	22 / 48.5	28 / 61.7
Electrical Requirements (230V, 50/60Hz)	0.3 A	0.3 A
Cat. No.	AAH3D1115K	AAH3D1215K
Electrical Requirements (120V, 50/60Hz)	0.6 A	0.6 A
Cat. No.	AAH3D1165U	AAH3D1265U

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