

OS-7200 Open-air Shakers (General Models)

Manufacturer:

SKU#: 8194-10-0932

Powerful driving system with a durable body structure increases shaking capacity. Suitable for larger or heavier workloads requiring accurate and reproducible results.



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. - Intelligent speed controller enables reproducible results. Shaking speed calibration enables matching the displayed rpm to the reference point. Various speed ranges up to max. 500 rpm. Timer range: 1 min. to 999 hr 59 min. Orbit diameter: - 19.1mm (Standard) or 25.4mm for OS-4000 - 25.4mm for OS-7100 - 50.8mm for OS-7200 **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. (only for OS-4000) 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-7200 Open-air Shakers (General Models) Specification

Model	OS-4000	OS-7100	OS-7200
Control system	PID feedback control		
Display	VFD		
Shaking system	Motion type	Orbital	
Amplitude Size (mm / inch, dia.)	19.1 / 0.75 (Standard)	25.4 / 1 (Adjustable)	25.4 / 1
Accuracy	1% of set speed (>100rpm) / 1 (<100rpm)		
Timer	1 min. to 999 hr 59 min.		
Speed Range (RPM)	10 to 500	10 to 450	30 to 500

Max Load (kg / lbs)	14 / 30.9 at 500 rpm 21 / 46.3 at 400 rpm	10 / 22.0 at 450 rpm 21 / 46.3 at 300 rpm	10 / 22.0 at 500 rpm 25 / 55.1 at 400 rpm
Dimensions	Platform (W D) (mm / inch)	5450 450 / 17.7 17.7	755 520 / 29.6 20.5
Overall (W D H) (mm / inch)	510x632x156 / 20.1x24.9x6.1	755x627x151 / 29.7x24.7x5.9	
Net weight (kg / lbs)	43 / 94.8	117 / 257.9	
Electric requirements (230V, 50 / 60Hz)	0.3A	0.4A	
Cat. No.	AAH3D1315K	AAH3D1415K	AAH3D1515K
Electric requirements (120V, 50 / 60Hz)	0.6A	0.8A	
Cat. No.	AAH3D1365U	AAH3D1465U	AAH3D1565U

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