

## Jeio Tech 20 to 500rpm Open Air Shaker (Dual Action) - OS-2000

**Product Code:** AAH3D1115K

**Brand:** Jeio Tech

Jeio Tech's 20 to 500rpm Open Air Shaker (Dual Action) - OS-2000 offers two dual action shaking motions with numerous amplitude settings: orbital and reciprocating.

With its compact and interchangeable design, this lab shaker can accommodate various types and sizes of vessels (flasks up to 6 litres) and is 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 with an amplitude of 19.1mm.
- 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.
- Over-current protection, stalled platform check.



## Specifications:

<b>Shaking System</b>	<b>Motion Type</b>	Orbital or Reciprocating (motion selectable)
	<b>Amplitude Size (mm)</b>	19.1
	<b>Speed Range (rpm)</b>	20 to 500
	<b>Accuracy</b>	± 1% of set speed (> 100rpm)/± 1 (≤ 100rpm)
	<b>Timer</b>	1 min. to 99 hr. 59 min.
<b>Max. Load (kg)</b>		10 at 500rpm in orbital shaking motion 8.5 at 500rpm in reciprocating shaking motion
<b>Dimensions</b>	<b>Platform (w x d)</b>	320 x 260mm
	<b>Body (w x d x h)</b>	354 x 388 x 148mm
	<b>Net Weight (kg)</b>	22
<b>Electrical Requirements (230V, 50/60Hz)</b>		0.3A



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