Jeio Tech 30 to 500rpm General Orbital Shaker (OS-7100)

Product Code: AAH3D1415K

Brand: Jeio Tech

Jeio Tech's 30 to 500rpm General Orbital Shaker (OS-7100) contains a powerful driving system with a durable body structure that increases shaking capacity.

This laboratory shaker is ideal for large or heavy workloads requiring accurate and reproducible results. This is due to its wide speed range and DD (Direct Drive) brushless motors along with its triple cam system, which can hold heavy loads and carry out quiet applications.

Features:

Performance:

- Microprocessor PID control. Intelligent speed controller enables reproducible results.
- Shaking speed calibration enables matching the displayed rpm to the reference point.
- Competitive high shaking speed up to 500rpm (amplitude size dependent).
- Orbital shaking motion in various diameters (25.4mm).
- Wide speed range even with heavy workload. Ideal DD (Direct Drive) Brushless Motor and triple cam system support heavy load, quiet, maintenance free operation and deliver high torque at high speeds and smooth rotation.
- Best effort run function whilst workload exceeds its capacity. Automatic shaking speed adjustment in case of excessive workload such as unbalanced load placement, unusual vibrations caused from unstable floor or external shock.
- 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.

Convenience:

- User-friendly control panel. Jeio Tech's unique VFD-bright, clear, easy to read. 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 processes.
- Speed is basically set and displayed in increments of 1rpm. Also speed increment interval can be set among 1, 5, or 10rpm according to user's preference.
- Built-in RS-232 port and USB port for external control and data collection.
- Variety of accessories are available to meet application demands.

Safety:

- Automatic run after power interruption.
- Shaking speed deviation alarm.
- Over-current protection and stalled platform check.

Specifications:

Control System		PID feedback control
Display		VFD
Shaking System	**Motion Type**	Orbital
	Amplitude Size (mm)	25.4
	Speed Range (rpm)	30 to 500
	Accuracy	± 1% of set speed (> 100rpm)/± 1% (≤ 100rpm)
	Timer	1 min. to 999 hr. 59 min.
Max. Load (kg)		10 at 500rpm 25 at 400rpm
Dimensions (mm)	**Platform (w x d)**	755 x 520
	Body (w x d x h)	755 x 627 x 151
	Net Weight (kg)	117
Electrical Requirments (230V, 50/60Hz)		0.4A

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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