TOPLAB INDIA
"Serving Science with Solution"

Orbital Shaker

TOPLAB INDIA'S Digital Orbital Shaker with adjustable speed for smooth mixing tasks. Used for homogeneous mixing in flasks, culture flasks, Petri dishes and tubes, lab glassware. Even with load and voltage fluctuations, shaking speed remains constant. Built with DC brushless motor, adopted microprocessor controlled technique, the orbital shaker is easy to operate. Gentle shaking, it is applied in different laboratories of molecular biology, microbiology, immunology, chemistry, etc. It is low-energy, safe, stable and no noise.

Product Features:

- LCD screen for instantly display operation information (time and shaking speed).

- Easy to operate with one-touch knob.

- Speed adjustable. Gentle and reliable shaking with direct brushless DC motor.

- PID based Digital Micro-processor controls time and shaking speed.

- TOP-20-OS With special Forwards/Reverse shaking and pause function, it can be shaking intermittently

- Timing function. When time control ends, instrument will make alarm voice.

- Compact and clean designed, streamlined fuselage, simple operation, convenient for cleaning.

- Platform made of stainless steel and natural rubber, which is alkali-resistant, non-deformation, easy-clean and spill-prevention.

- Brushless DC motor, long life and maintenance free. Gentle and reliable shaking with direct brushless DC motor.

- Different platforms to adapt different conical flasks and other sample containers for optional choices.

Orbital Shaker

Technical Specification:

Model	TOP-10-OS	TOP-20-OS
Shaking Speed Range [rpm]	50 ~ 300 rpm	50 ~ 250rpm
Speed Increment	1 rpm	
Orbit [mm]	10mm (Circle)	20mm (Circle)
Type of movement	Orbital Shaking	
Forwards/Reverse shaking	N.A.	Forwards / Reverse
Timing range for Forwards/Reverse shaking	N.A.	1-99min
Timing range for pause	N.A.	0-99sec
Timer range [min]	N.A.	1min ~99h59min / continuous
Operation type	Continuous	Timing / Continuous
Speed/Timer display	LCD Digital display	
Max. Load capacity [kg]	2.5Kgs	
Temperature Permissible ambient [°C]	4°C ~ 45°C	
Controller	PID Based micro-processor controller	
Humidity Permissible ambient	80% RH	
Fuse	240V, 3A, Φ5x20	
Power (W)	50W	
Voltage (V/Hz)	AC 220V, 50/60Hz	
Platform dimension (mm)	240 x 240mm	
Dimension [D×W×H mm]	280 x 270 x 110mm	
Net Weight	7.0 Kg	8.0 Kg

Optional accessories:

PP1 - Flat platform for 8pcs Petri dishes

PP2-6 - Universal platform with adjustable bars, for 6×100ml

PP2-4 - Universal platform with adjustable bars, for 4×250ml conical flask

PP3-12 - Platform with clamps for 12×100ml conical flask

PP3-6 - Platform with clamps for 6×250ml conical flask