



SHAKERS & INCUBATOR SHAKERS



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Two different shaking functions: back and forth, and orbital. Adjustable shaking speed and range. Timer function for maximum flexibility.

- Two different shaking functions: back and forth, and orbital
 - Adjustable shaking speed and range
 - Timer function for maximum flexibility
 - Corrosion resistant stainless steel housing
 - Easy to clean and maintain
 - Large mounting surface and big load capacity of up to 15 kg
 - Ideal for vessels with more than 250 ml capacity, like round flasks, Erlenmeyer flasks, culture flasks, or culture bottles
 - Widely used for bacterial cultures, fermentation, hybridization, biochemical reactions, enzyme or tissue research

Model	OS-3050		OS-3050R		OS-3100		OS-3150		OS-3200		
Display and Control	LED Digital Display / On-Touch Control		LED Digital Display / On-Touch Control		LED Digital Display / On-Touch Control		LED Digital Display / On-Touch Control		LED Digital Display / On-Touch Control		
Vibration Style	Orbital		Reciprocating		Orbital/Reciprocating		Orbital/Reciprocating		Orbital/Reciprocating		
Speed Range (rpm)	10 - 250		10 - 250		10 - 300		10 - 300		10 - 300		
Speed Accuracy (rpm)	±2 (at 100rpm)		±2 (at 100rpm)		±1rpm		±1rpm		±1rpm		
Amplitude of Vibration (mm)	20 (10 to 400rpm/14mm?10 to 500rpm/8mm Available)		20 (10 to 400rpm/14mm?10 to 500rpm/8mm Available)		30 (Standard); 20, 40 (Optional)		30 (Standard); 20, 40 (Optional)		30 (Standard); 20, 40 (Optional)		
Speed Adjustment Steps (rpm)	± 1		± 1		± 1		± 1		± 1		
Maximum Timer Length (min)	Delay On / Off Time : 1min to 999hr 59min Forward & Backward, Pause : 10sec to 59min 59 sec		Delay On / Off Time : 1min to 999hr 59min Forward & Backward, Pause : 10sec to 59min 59 sec		999 hr 59 min; Pause: Max. 99 min, Min. 1 min; Forward-and-backward: Max. 9 min 50 sec, Min. 10 sec		999 hr 59 min; Pause: Max. 99 min, Min. 1 min; Forward-and-backward: Max. 9 min 50 sec, Min. 10 sec		999 hr 59 min; Pause: Max. 99 min, Min. 1 min; Forward-and-backward: Max. 9 min 50 sec, Min. 10 sec		
Material	Host: stainless steel Working Plate: Aluminium		Host: stainless steel Working Plate: Aluminium		Host: stainless steel Working Plate: Aluminium		Host: stainless steel Working Plate: Aluminium		Host: stainless steel Working Plate: Aluminium		
Maximum Load (including clamps) (kg)	15		15		7.5		15		30		
Motor Input / Output power (W)					45 / 10		70 / 19		140 / 38		
Working Plate Dimension(W × D in mm)	320 × 260		320 × 260		350 × 350		450 × 450		755 × 481		
Outside Dimension(W × D × H in mm)	355x375x140(mm)		355x375x140(mm)		410 × 490 × 160		510 × 595 × 160		820 × 610 × 152		
Accessories	Carrier with Flexible Attachments , Carrier with Fixed Attachments, Carrier with Rubber Plate										
Gross Weight (kg)											
Shipping Weight (kg)											
Shipping Dimensions (mm)											
Electrical Requirements	110V/60Hz	220V/50Hz	220V/50Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	
Catalogue No.	5401505-1	5401505-2	5401510-1	5401510-2	5401515-1	5401515-2	5401520-1	5401520-2	5401525-1	5401525-2	

Orbital Shaker OS-1000 Series

The OS-1000 Series Orbital Shaker is designed with microprocessor PID control enabling reproducible results every time. Iris OS-1000 Orbital Shakers are fully adaptable to almost any laboratory applications for any type and size of vessel. The user-friendly touch screen control panel is easy to read with a bright clear digital display.



Maintenance-free motor generates smooth and powerful shaking motion over a wide speed range and under heavy workloads. Built-in protection system from over-current, stalled platform, and audible/visible alarms for shaking speed deviation keep the unit worry free. RS-232 and USB ports provide option for external control and data collection. Additional features include intuitive controls, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. The OS-1400 laboratory orbital shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.

Applicable for fermentation processes with high demands on the precision of the shaking frequency, bacteria incubation, hybridization, life science, pharmacy, medical science, food industry, chemistry, biology, and other laboratory environments.

- Touch-screen panel
- 2 LED screen digital display
- Actual and setting speed
- Digital speed controller and timer
- Quite and smooth Shaking
- Suitable for carrying heavy load
- Memory of power cut
- Brushless AC motor

Model	OS-1400		OS-1600		OS-1900	
Control Panel	Digital					
Shaking Speed	20~250 rpm					
Shaking Width	25mm		25mm		50 mm	
Timer	999 h / 999 min / 999 sec					
Shaking Plate	400 x 300 mm		600 x 480 mm		960 x 600 mm	
Outside Dimension (WxDxH) mm	400 x 300 x 220 mm		600 x 480 x 220 mm		965 x 610 x 220 mm	
Net Weight (kg)	16kg		31kg		98kg	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54005051	54005052	54005102	54005102	54005151	54005152

Orbital Shakers OS-3000 Series

The OS-3000 Series Orbital Shaker provide two different shaking functions: back and forth, and orbital. Adjustable shaking speed and range. Timer function for maximum flexibility.



Iris orbital shakers feature a rectangular platform that moves in a circular motion to aerate samples. Additional features for all of these units include intuitive controls with a digital display, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. Our laboratory shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.

- Two different shaking functions: back and forth, and orbital
- Adjustable shaking speed and range
- Timer function for maximum flexibility
- Corrosion resistant stainless steel housing
- Easy to clean and maintain
- Large mounting surface and big load capacity of up to 15 kg
- Ideal for vessels with more than 250 ml capacity, like round flasks, Erlenmeyer flasks, culture flasks, or culture bottles
- Widely used for bacterial cultures, fermentation, hybridization, biochemical reactions, enzyme or tissue research

Multi-function Shaking System:

The OS-3000 Series shaker's intensive multifunction shaking system surpasses all previous levels of experience! You can multi-set the shaking motions in maximum six ways of Forward/ Backward/ Pause/ Mix & match upon your various laboratory purposes.

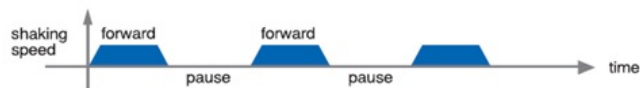
Forward Continuous Shaking



Backward Continuous shaking



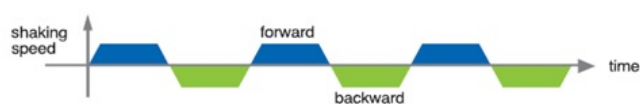
Forward Shaking & Pause



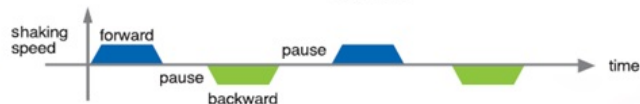
Backward Shaking & Pause



Forward & Backward Shaking



Forward/Backward Shaking & Pause



Model	OS-3100		OS-3150		OS-3200	
Display and Control	LED Digital Display / On-Touch Control		LED Digital Display / On-Touch Control		LED Digital Display / On-Touch Control	
Vibration Style	Orbital/Reciprocating		Orbital/Reciprocating		Orbital/Reciprocating	
Speed Range (rpm)	10 □ 300		10 - 300		10 - 300	
Speed Accuracy (rpm)	±1rpm		±1rpm		±1rpm	
Amplitude of Vibration (mm)	30 (Standard); 20, 40 (Optional)		30 (Standard); 20, 40 (Optional)		30 (Standard); 20, 40 (Optional)	
Speed Adjustment Steps (rpm)	± 1		± 1		± 1	
Maximum Timer Length (min)	999 hr 59 min; Pause: Max. 99 min, Min. 1 min; Forward-and-backward: Max. 9 min 50 sec, Min. 10 sec		999 hr 59 min; Pause: Max. 99 min, Min. 1 min; Forward-and-backward: Max. 9 min 50 sec, Min. 10 sec		999 hr 59 min; Pause: Max. 99 min, Min. 1 min; Forward-and-backward: Max. 9 min 50 sec, Min. 10 sec	
Material	Host: stainless steel Working Plate: Aluminium		Host: stainless steel Working Plate: Aluminium		Host: stainless steel Working Plate: Aluminium	
Maximum Load (including clamps) (kg)	7.5		15		30	
Motor Input / Output power (W)	45 / 10		70 / 19		140 / 38	
Working Plate Dimension(W × D in mm)	350 × 350		450 × 450		755 × 481	
Outside Dimension(W × D × H in mm)	410 × 490 × 160		510 × 595 × 160		820 × 610 × 152	
Accessories	Carrier with Flexible Attachments , Carrier with Fixed Attachments, Carrier with Rubber Plate					
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	5401505-1	5401505-2	5401510-1	5401510-2	5401515-1	5401515-2

Double Platform Orbital Shaker OS-1000D Series

The Double Platform Orbital Shaker OS-1000D Series is designed with microprocessor PID control enabling reproducible results every time. Iris OS-1000D Double Platform Orbital Shakers are fully adaptable to almost any laboratory applications for any type and size of vessel. The user-friendly touch screen control panel is easy to read with a bright clear digital display.

Maintenance-free motor generates smooth and powerful shaking motion over a wide speed range and under heavy workloads. Built-in protection system from over-current, stalled platform, and audible/visible alarms for shaking speed deviation keep the unit worry free. RS-232 and USB ports provide option for external control and data collection. Additional features include intuitive controls, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. The OS-1400 laboratory orbital shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.



Applicable for fermentation processes with high demands on the precision of the shaking frequency, bacteria incubation, hybridization, life science, pharmacy, medical science, food industry, chemistry, biology, and other laboratory environments.

- Touch-screen panel
- 2 LED screen digital display
- Actual and setting speed
- Digital speed controller and timer
- Quite and smooth Shaking
- Suitable for carrying heavy load
- Memory of power cut
- Brushless AC motor
- With variable speed, timer control and continuous operation
- Double platform for large capacity

Model	OS-1400D		OS-1600D		OS-1900D	
Control Panel	Digital					
Shaking Speed	20~150 r.p.m					
Shaking Width	25mm					
Timer	999 h / 999 min / 999 sec					
Shaking Plate	400 x 300 2pcs		580 x 460 2pcs		960 x 600 2pcs	
Outside Dimension (WxDxH) mm	400 x 300 x 500 mm		600 x 480 x 500 mm		960 x 600 x 500 mm	
Net Weight (kg)	20kg		60kg		107kg	
Gross Weight (kg)						
Shipping Dimensions (WxDxH) (mm)						
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54010051	54010052	54010101	54010102	54010151	54010152

