



Mixing



Labfirst Scientific Instruments (Shanghai) Co., Ltd.

Orbister 330 basic

Fixed Plate LCD Digital Orbital Shaker



Features

- Double-screen display for time and speed respectively
- Compact footprint
- Provides smooth and uniform shaking
- Two options:
9.8kg (Orbister 330 basic) and speed range 70-400rpm,
3.1kg (Orbister 250 basic) and speed range 40-200rpm
- Continuous or timer operation mode
- Maintenance- free brushless DC motor
- Over speed detection and protection

Applications

Orbital Shaker is ideal for applications like bacterial suspension, solubility studies, growth of bacteria and yeast, extraction procedures, washing procedures, diagnostics tests, hybridization, general mixing, staining & destaining, mixing, and extracting.

It is suitable for almost any vessel from micro-centrifuge tubes through petri dishes and microplates to conical flasks.

Orbister 250 basic

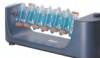
LED Digital Orbital Shaker



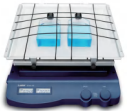
Timer

Specifications	Orbister 250 basic	Orbister 330 basic
Orbital diameter	20mm	10mm
Max. load capacity (with platform)	2kg	3kg
Motor type	Brushless DC motor	Brushless DC motor
Motor input power	20W	20W
Motor output power	16W	15W
Speed range	40-200rpm	70-400rpm
Speed display	LED	LCD
Timer display	LED	LCD
Time settings range	1min-99h59min	1min-99h59min
Voltage,Frequency	100-240V,50/60Hz	100-240V,50/60Hz
Power	20W	25W
Weight	3.1kg	9.8kg
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH
Dimension[W×D×H]	294×348×123mm	420×370×100mm
Protection class	IP21	IP21
Work plate Dimension [W x D]	268x268mm	335×335mm

Lab1st mixers range can be divided into different series as per mixing speed, working mode, load capacity etc:

Series	Image	Model	Speed Range	Working mode	Capacity
Vortex Mixer		Vortex S	0~3000rpm	Orbital (touch + continuous modes)	-
		Vortex F	3000rpm(fixed)	Orbital (touch + continuous modes)	-
		Vortex E	3000rpm (fixed)	Orbital (touch mode)	-
		Vortex C	0~3000rpm	Orbital (touch + continuous modes)	8x2mL
Microplate Mixer		Microster M	0~1500rpm	Orbital (continuous mode)	0.5Kg
Disk Rotator		Rotaster 3	10~70rpm	360° rolling (timer + continuous)	60x1.5mL, 16x15mL, 8x50mL, (available for 3 layers)
Rotisserie Rotator		Grillster T	10~70rpm	360° rolling (timer + continuous)	48x1.5mL, 24x15mL, 24x50mL
Disk Rotator		Rotaster 1 basic	0~80rpm	360° rolling (continuous)	48x2mL, 16x15mL, 8x50mL
Rotisserie Rotator		Grillster basic	0~80rpm	360° rolling (continuous)	32x2mL, 20x15mL, 16x50mL
Rocker		See-saw 30 basic	0~30rpm	30±3° rocking (continuous)	10x10mL, 4x50mL
		See-saw 30L	0~30rpm	30±3° rocking (continuous)	16x10mL 6x50mL
		See-saw 30D	0~30rpm	40±3° rocking (continuous)	32x10mL, 12x50mL
Roller		Rollster 6	0~70rpm	360° rocking&rolling (timer + continuous)	4Kg
		Rollster 6 basic	0~70rpm	360° rocking&rolling (continuous)	4Kg

Lab1st shaker series can be divided to different types as per different motion models:

Series	Image	Model	Plate Size	Display	Speed Range	Max. Load Capacity
Orbital Shaker		Orbister 330	32x32cm	LCD	100-500rpm	7.5Kg
		Orbister 250	25x24.5cm	LCD	100-800rpm	2.5Kg
		Orbister 330 basic	33.5x33.5cm	LCD	70-400rpm	3Kg
		Orbister 250 basic	26.8X26.8cm	LED	40-200rpm	2Kg
Linear Shaker		Recipster 330	32x32cm	LCD	100-350rpm	7.5Kg
		Recipster 250	25x24.5cm	LCD	100-350rpm	2.5Kg
Rocking Shaker		Wavester 330	30x28.5cm	LCD	10-70rpm	10Kg
		Wavester 250 basic	26.8x26.8cm	LED	10-80rpm	2Kg
3D Shaker		3D-Ster 330	30x28.5cm	LCD	10-70rpm	5Kg