

## Orbital Shaker

### ◆ Description

Orbital shaker is designed with closed-loop electronic control system. CTI's Silent Shakers are designed and built for continuous shaking with no vibration or heat output. It can be widely used in biology, chemistry, cell culture, fermentation, hybridization, enzyme and tissue research.

### ◆ Features

- Space saving design with variable speed control, timer function.
- Digital controlled brushless DC motor provides smooth start, long life time and low noise.
- Automatic recovery from power outage.
- Various accessories are available for different flasks, tubes, plates and etc.
- Microplate Shaker (OS-07UA) can quickly and easily fit any standard depth multi-well plate and tubes.
- High Profile Shaker (SYC-2102A) includes a standard platform (400x400 mm) with non-skid mat.



Mini Orbital Shaker **OS-03UA**



Multi Purpose Shaker **OS-06UA**



Microplate Shaker **OS-07UA**



High Profile Orbital Shaker **SYC-2102A**



### ◆ Specifications

Name	Mini Orbital Shaker	High Profile Orbital Shaker	Microplate Shaker	Multi Purpose Shaker
Model	OS-03UA	SYC-2102A	OS-07UA	OS-06UA
For regions other than North America, check the model number in the " Order Information Table "				
Speed	30~300rpm		150~1000rpm	50~450rpm
Speed Accuracy	±2%		±1% (@≤299rpm), ±2% (@>299rpm)	±1rpm (@≤100rpm), ±1% (@>100rpm)
Orbital Diameter	Ø20mm (0.79")	Ø26mm (1.02")	Ø2.5mm (0.1")	Ø10mm (0.39")
Timer	0~99h59min	0~99h	0~99h59min	
Platform Dimensions	327x289mm (12.87x11.38")	400x400mm (15.7x15.7")	275x235mm (10.8x9.3")	310x284mm (12.2x11.2")
Capacity	15x50ml/12x100ml / 12x150ml or 200ml / 12x250ml/4x500ml / 4x1000ml flasks / 2xSmall Tube Racks	36x50ml/24x100ml / 17x150ml or 200ml / 17x250ml/12x500ml / 6x1000ml/4x2000ml / 3000ml/2x5000ml flasks / 3xTube Racks	4x Microplates / 6xMicroplates (with OSA15 Large Platform Assembly) / 2xTube Racks	20x50ml / 8x100ml / 8x150ml or 200ml / 8x250ml / 2x500ml / 4x1000ml / 2x2000ml / 2x3000ml / 1x5000ml flasks / 2xTube Racks
Max. Load	2.5kg (5.5 lb)	10kg (22 lb)	1kg (2.2 lb)	4.5kg (9.9 lb)
Display	LCD	LED		
Accessories included in Standard Packaging	OSA13 (Aluminum Platform)	Standard Platform with non-skid mat	Standard Platform with 6 pcs of OSA13 (96-well Microplate Holder)	OSA21 (Universal (Aluminum) Platform)
Ambient Temperature	5°C~40°C			
Relative Humidity	≤80%			
Power Supply	AC100~240V, 50 / 60Hz	AC110V, 60Hz	AC100~240V, 50 / 60Hz	
Max. Power	8.5W	85W	72W	40W
Dimensions (LxWxH)	345x240x111mm (13.6x9.4x4.4")	432x535x190mm (17x21x7.5")	440x296x142mm (17.3x11.7x5.6")	440x296x129mm (17.3x11.7x5.1")
Net Weight	12.5kg (27.6 lb)	38kg (83.78 lb)	15kg (33.1 lb)	
Protection Level	IP21			
Certifications	NA	CE	cCSAus, CE, RoHS, WEEE	