

# Orbital Shaker

- > Two different shaking functions: reciprocal, and orbital
- > Adjustable shaking speed and range
- > Timer function for maximum flexibility
- > Corrosion-resistant power-coated stainless steel housing
- > Easy to clean and maintain
- > Large mounting surface and big load capacity of up to 12 kg
- > Suitable for various vessels, like round flasks, Erlenmeyer flasks, culture flasks, or culture bottles
- > Widely used for bacterial cultures, fermentation, hybridization, biochemical reactions, enzyme or tissue research
- > Shaking motion can be set in up to 6 different ways
- > Wide range of accessories are available.



The distinctive and economical models offer the most felicitous shaking motion

Two types of shaking motions (orbital or reciprocal). Three types of orbital or reciprocal lengths. The compact and interchangeable platform design accommodates various types and sizes of vessels and suitable for use in chambers.

Model	WS-50D	WS-50DR
Motion Type	Orbital	Reciprocal
Speed Range (rpm)	10 to 300	10 to 250
Accuracy (rpm)	±2 (100 rpm)	±2 (100 rpm)
Timer	1min to 99 hrs 59 min	1min to 99 hrs 59 min
Shaking Throw	8 / 14 / 20 Available - Standard 20	8 / 14 / 20 Available - Standard 20
Maximum Load (kg)	7	7
Power (W)	80	80
Platform (WxD) (mm)	320x260	320x260
Overall (WxDxH) (mm)	355x375x140	355x375x140
Weight(kg)	20	20
Order No.	3A126C	3A226C



## Multi-function Shaking System

Intensive multi-function shaking system surpasses all the previous levels of shaker units. Mix and match clockwise, counterclockwise, start, and stop motions. (Making 6 possible combinations - refer to each model spec.)

The try of various specifications for individual fitting can be ordered separately to be assembled by users.

# Dual-Action Shakers

Benchtop platform shakers with advanced dual-shaking features, for flasks up to maximum 6L.

Performances: Orbital or reciprocal action and variable-speed control provide gentle to vigorous agitation. It offers user-friendly operating and safety features for reliable shaking of lab glassware.



Note:  
Mounting plate not included



## Specifications

Model	WS-100D	WS-150D	WS-200D
Display and Control	TFT Digital Display / On-Touch Control	TFT Digital Display / On-Touch Control	TFT Digital Display / On-Touch Control
Motion Type	Orbital or reciprocal motion selectable	Orbital or reciprocal motion selectable	Orbital or reciprocal motion selectable
Accuracy(rpm)	±1 (100rpm)	±1 (100rpm)	±1 (100rpm)
Speed Range (rpm)	10-300	10-300	10-300
Shaking Throw (mm)	20, 30, 40 Available - Standard 30	20, 30, 40 Available - Standard 30	30, 40, 50, 60, 70 Available - Standard 30
Timer	R1min to 99 hrs 59 min		
Maximum Load (kg)	7	15	30
Power (W)	100	110	130
Platform (WxD) (mm)	350x350	450x450	755x481
Overall (WxDxH) (mm)	410x490x150	510x595x150	820x610x166
Weight (Kg)	24	29	50
Order No.	200200C	200300C	200400C

The try of various specifications for individual fitting can be ordered separately to be assembled by users.