Horizontal Shaker (Reciprocating Shaker)

Typical Applications:

- Ideal for biological and microbiological growth tests and for production of stock solutions, and general mixing
- Ideal for round flasks, Erlenmeyer flasks, culture flasks and bottles



Features:

- A wide choice of platforms for various applications
- Over-load and over-speed detection and protection
- LED display for easy-reading of speed and time simultaneously
- Stylish, High Strength tempered glass front panel
- Timer with Automatic Alarm function allows for unsupervised operation
- Brushless DC motor is maintenance-free and provides long service life
- Continuous operation and timed operation in range of 0- 99h59min are available
- Supports both orbital shaking and linear shaking and easy to switch the shaking mode
- Digital speed control system ensures stable movement and prevents splashing

LCD Display as **standard**



Standard Rod Tray





Optional: Spring Tray

Optional:
Touch Screen HMI



Features:

- High resolution touch screen, aesthetic and elegant interface, multiple sets of data displayed on one screen, easy to operate
- Intelligent fuzzy PID control, high control accuracy, extensible multi-stage programming control
- Brushless DC motor and servo motor system can be controlled, and positive and negative rotation of the motor can be controlled, with greater torque, less noise and more accurate speed control
- It has the function of appointment running, timing and power-off memory.
- The controller has screen locking function to avoid misoperation
- It has functions of real-time curve view, historical data storage and export, and can be extended to remote communication, USB flash disk port, printer port and other functions.

Technical Specification

Model	**OS-350**	**OS-450**	**OS-550**
Shaking motion	Horizontal		
Capacity Flask	9x250 ml	16x250 ml	25x250 ml
Motor type	Servo motor		
Max. load capacity(with platform) [kg]	10	15	20
Orbital diameter [mm]	10		
Speed display	LCD		
Speed range [rpm]	10-300		
Time display	LCD		
Time range	1-9999 Min / Hr		
Operation type	Continuous / Timing operation		
Permissible ambient temperature [°C]	5-40		
Permissible relative humidity	80%		
Protection class acc. to DIN EN60529	IP21		
Voltage [VAC]	220VAC±10%, 50Hz		
Power [W]	40	300	350
Universal Spring Rack mm	W350 x D350	W450 x D450	W650 x D650
Platform Dimensions [W x D mm]	370 x 370	450 x 450	650 x 650
Weight [kg]	13	15	30