

# STEADYSHAKE™ 757L, 757 & 757S

## COMPACT BENCHTOP ORBITAL INCUBATOR SHAKERS



757L



757



757S

The SteadyShake™ 757L, 757 and 757S are economical and compact bench top incubator shakers and occupy minimal benchtop space. The 757S is equipped with an adjustable shelf. The 757L uses an 18" x 18" platform, whereas both the 757 and 757S offer a 15.8" x 11.8" platform. All the models can accommodate up to 2-liter Erlenmeyer flasks. The 757 and 757L incorporate swing-up lids and the door of the 757S features a large viewing window. A microprocessor temperature controller maintains precise temperature control from 4°C above ambient to 70°C. A quiet fan ensures temperature uniformity throughout the chamber. The brushless, maintenance-free drive motor generates speeds from 40 to 400 RPM which is displayed on a digital readout. A triple-eccentric drive with a 1" (25mm) orbit means a higher oxygen transfer rate at any given RPM compared to drives with a 19mm orbit. The drive uses counter-balancing weights to provide smooth and stable shaking, thereby eliminating the inconvenience of making balancing adjustments as the load increases.

The programmable timer affords a choice of switching between a continuous run or a timed run up to 99 hours and 59 minutes. For even longer runs, each timed run can be repeated up to 999 times.

Multi-step speed programming is available. A program can consist of up to 9 steps and for each step you can change the time, RPM and the direction of rotation. For example, shake for 60 minutes at 300 RPM in a clockwise direction, then for 120 minutes at 250 RPM for 90 in a counter clockwise direction, followed by 200 RPM for 120 minutes in the opposite direction and so on. For applications such as the mixing of immiscible liquids or in extraction, the direction of rotation can change every 1 minute for optimum effect. To prevent over-heating, the controller shuts off the heater if the chamber temperature exceeds the set temperature by a pre-determined number of degrees. In case of a power failure, shaking automatically resumes when power is restored.

**Accessories include:** Universal platform, clamps, spring rack for tubes in an angled or vertical position tubes plus flasks without the need for clamps, tube racks and universal rack holders, and a holder for micro and deep-well plates.

## STEADYSHAKE™ 757L, 757 & 757S INCUBATOR SHAKERS

SPECIFICATIONS	SteadyShake 757L	SteadyShake 757	SteadyShake 757S
Temperature Display	Digital, to 0.1°C		
Temperature Range	4°C above ambient to 70°C		
Control	Auto-tune PID microprocessor temperature controller		
Accuracy/Uniformity	±0.1°C/±0.5°C		
Timer Range	minute to 99 hours 59 minutes or continuous operation		
Timer Reiteration	The timer of 99 hours 59 minutes can be repeated up to 999 times.		
Speed Display	Digital		
Range	40 to 400 RPM (at 60 Hz)		
Direction	Clockwise or counter clockwise, programmable		
Orbit	1.0" (25 mm)		
Speed Programmability	Continuous or multi-step RPM programmability in which a timed run consisting of a sequence of up to 9 timed steps, each at a set speed and direction of rotation. Each timed run can be repeated up to 999 times.		
Calibration Parameters	Temperature and RPM from the control panel		
Shelf	None	One is standard	
Safety Features	1) Motor stops when door is opened. 2) Heater turns off in case of over-heating. 3) Auto-restart after power failure.		
Drive	Dynamically balanced triple-eccentric drive for smooth, stable shaking does not need adjustments as load changes		
Motor	Maintenance-free brushless motor cooled by a fan		
Platform Dimensions	18" x 18" (460 x 460) mm	15.8"W x 11.8"D (400W x 300D) mm	
Chamber Dimensions	20.1"W x 21.2"D x 13.0"H (510 x 540 x 330) mm	17.7"W x 15.0"D x 13.0"H (450 x 380 x 330) mm	17.7"W x 15.6"D x 14.6"H (450 x 390 x 370) mm
Overall Dimensions	20.5"W x 25.5"D x 19.7"H (521 x 648 x 500) mm	18.1"W x 19.3"D x 19.7"H (460 x 490 x 500) mm	20.5"W x 21.6"D x 25.6"H (520 x 550 x 650) mm
Power Source	120V, 50/60Hz, single phase, 4A, 220V available		

### FLASK CAPACITY

Flask Size (mL)	25	50	125	250	500	1000	2000
Capacity of 757 & 757S	48	35	20	12	8	6	3
Capacity of 757L	81	64	36	25	16	9	5

### ACCESSORIES:

Holders for Tube Racks & Plates



Full Size Spring Rack



Platform with Custom Spring Rack and Other Accessories



Flask Clamps



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