STEADYSHAKE™ 757 & 757L
BENCHTOP ORBITAL INCUBATOR SHAKERS

The SteadyShake™ 757 and 757L are economical and compact bench top incubator shakers. The 757 occupies only 18"W x 19"D of space, and the 757L is slightly larger (20.5"W x 25.5"D) for increased flask capacity. The 757 can accommodate three 2-liter Erlenmeyer or two 2.8-liter Fernbach flasks, and the 757L five and four of these, respectively. The lid has a large viewing window and a microprocessor temperature controller maintains precise temperature control from 3^oC above ambient to 70^oC. 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 counter-balancing weights provides stable shaking, and eliminates 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 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.

Amerex Instruments, Inc.

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SPECIFICATIONS	SteadyShake 757	SteadyShake 757L
Temperature Display	Digital, to 0.1ºC	
Temperature Range	3ºC above ambient to 70ºC	
Control	PID microprocessor temperature controller	
Accuracy/Uniformity	±0.1ºC/±0.5ºC	
Timer Range	1 minute to 99 hours 59 minutes or continuous operation	
Timer Reiteration	The timer of 99 hours 59 minutes can be extended as it 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)	
Programmability	Continuous or 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	
Access Port	One, for a thermometer or temperature probe	
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	15.8"W x 11.8"D (400mmW x 300mmD)	18.1"W x 18.1D" (460mmW x 460mmD)
Chamber Dimensions	17.7"W x 15.0"D x 13.0"H (450mm x 380mm x 330mm)	20.1"W x 21.2D x 13.0"H (510mm x 540mm x 330mm)
Overall Dimensions	18.1"W x 19.3"D x 19.7"H (460mm x 490mm x 500mm)	20.5"W x 25.5"D x 19.7"H (521mm x 648mm x 500mm)
Power Source	120V, 50/60Hz, single phase, 2A, 220V available	

FLASK CAPACITY

Flask Size (mL)	25	50	125	250	500	1000	2000	2800
Capacity of 757	48	35	20	12	8	6	3	2
Capacity of 757L	81	64	36	25	16	9	5	4

ACCESSORIES:

Holders for Tube Racks & Plates **Full Size Spring Rack** **Platform with Custom Spring Rack and Other Accessories**

Flask Clamps

Amerex Instruments, Inc.

P.O. Box 787, Lafayette, CA 94549
Tel: (925) 299-0743   Fax: (925) 299-0745
E-mail: marketing@amerexinst.com
Web: www.amerexinst.com