

GYROMAX™ 767 and 777 ORBITAL INCUBATOR SHAKERS

Incubate And Shake It To The Max...With GYROMAX!



The GYROMAX™ 767 and 777 orbital incubator shakers are chest-type incubator shakers that are mounted on caster wheels. The double-walled construction, with 1.25" of insulation and a triple-paned, evacuated viewing glass window, minimizes heat loss. This construction, together with an efficient circulation system, ensures unrivaled optimum temperature uniformity throughout the chamber. The temperature is microprocessor-controlled and is monitored accurately by a platinum RTD. It is set digitally and reproducibly from a membrane keypad and displayed by an LED to 0.1°C. The working temperature is from 4°C to 80°C. Over-temperature cutoff devices protect the chamber from accidental overheating. A timer is programmable up to 99 hours.

A large, quiet fan ensures air and temperature uniformity throughout the stainless steel chamber. A brushless, maintenance-free drive motor generates speeds from 25 to 400 RPM that is displayed digitally. It also incorporates a built-in fan for operating at a low temperature, thereby prolonging the life of the motor. A triple-eccentric drive with counter-balancing weights provides smooth and quiet shaking. The shaking stops when the door is opened. The chamber is constructed of stainless steel. The chamber lamp is turned on and off with a switch on the control panel. The platforms can accommodate Erlenmeyer flasks up to 6 liters.

Optional accessories include platforms, clamps, tube racks and holder, a micro plate holder and spring racks. Platform holes are drilled to accommodate the different clamps purchased. The spring rack is designed for holding tubes in a horizontal, angled, or upright position. It can also be used to hold flasks up to 1-liter without clamps. The rack consists of a 2-tiered grid of springs. The distance between the racks is adjustable so as to accommodate tubes and flasks of different heights. It is mounted on to the platform by four screws.

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SPECIFICATIONS: GYROMAX™ 767 and 777 INCUBATOR SHAKERS

Temperature Range	About 5°C above ambient to 80°C	
Temperature Control	Auto-tune PID microprocessor temperature controller, Pt RTD sensor	
Temperature Display	Digital to 0.1°C	
Accuracy/Uniformity	±0.1°C/±0.5°C at 37.0°C	
Insulation	1.25" all around chamber	
Viewing Window	Triple-paned, 1.25" (30mm) thick	
Spring Rack	Accommodates an accessory spring rack that can shake flasks up to 1-L without the use of clips or clamps as well as 15-mL or 50-mL Falcon tubes placed horizontally, vertically, or at 45° to the platform	
Drive	Dynamically balanced triple-eccentric drive with twelve permanently lubricated bearings	
Motor	Maintenance-free, brushless motor with a built-in cooling fan	
Speed Range	20 to 400 RPM with standard 1" (25mm) orbit	
Speed Display	Digital LED with direct speed sensor	
Timer	Programmable up to 99 hours	
Chamber Material	Stainless steel	
Chamber Lamp	Lamp independently controlled by outside control panel switch	
Overall Dimensions	43"W x 24.7"D x 36.6"H (1094mm x 629mm x 930mm)	51.6"W x 30.0"W x 36.6"H (1310mm x 760mm x 930mm)
Chamber Dimensions	33.8"W x 22.0"D x 19.7"H (860mm x 560mm x 500mm)	40.9"W x 28.0"D x 19.7"H (1040mm x 710mm x 500mm)
Platform Dimensions	30"W x 18"D (780mm x 460mm)	38"W x 24"W (960mm x 600mm)
Power Source	120V, 50/60Hz, single phase, 15A (220V available)	

Flask Capacity

Flask Size (mL)	25	50	125	250	500	1000	2000	2800	4000	6000
Model 767	144	112	60	40	24	15	12	6	6	6
Model 777	198	160	104	70	40	24	15	8	8	8

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