

GYROMAX™ 767R ORBITAL INCUBATOR SHAKER



Incubate and Shake it to the Max...with GYROMAX!

The **GYROMAX™ 767R** is a chest-type orbital incubator shaker mounted on caster wheels and supplemented by adjustable feet for increased stability. The double-walled construction, with 1.25" of insulation and a triple-pane viewing glass window, minimizes heat loss. This construction, together with an efficient circulation system, ensures unrivaled optimum temperature uniformity through-out the chamber. The temperature is microprocessor controlled and is monitored accurately by a Pt-100 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. Independent high and low limit thermostats protect the chamber and samples from overheating or overcooling. Another thermostat prevents over-cooling. A timer is programmable up to 99 hours or for continuous operation.

A large, quiet fan ensures air and temperature uniformity throughout the stainless steel chamber. A brushless, maintenance-free drive motor generates speeds from 20 to 420 RPM that is displayed digitally. It also incorporates a built-in fan for operating at a lower temperature, thereby prolonging the life of the motor. A triple-eccentric drive with counterbalancing weights enables the shakers to handle heavy loads such as six 6-liter flasks with stable shaking, and without the need for adjustments as the load increases. 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 chamber height of 19.7" enables the platform to accommodate 6-liter Erlenmeyer flasks which are 16" tall. The lid is supported by two spring hinges supplemented by a piston located outside the chamber for long life

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-tier grid of springs. The distance between the racks is adjustable to accommodate tubes and flasks of different heights. It is mounted on to the platform by four screws.

Amerex Instruments, Inc.

GYROMAX™ 767R ORBITAL INCUBATOR SHAKER

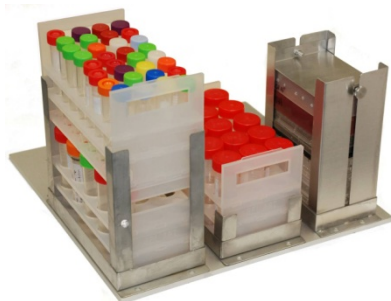
SPECIFICATIONS	767R
Temperature Range	4°C to 80°C
Temperature Control	PID microprocessor temperature controller, Pt RTD sensor
Temperature Display	Digital to 0.1°C
Accuracy/Uniformity	±0.1°C/±0.5°C at 37.0°C
Insulation	1.25" all around chamber
Safety Features	Two independent high and low limit thermostats protect samples by preventing them from overheating or overcooling. Shaking stops when lid is opened. Auto-restart after power failure.
Viewing Window	Triple-pane, 1.25" (30mm) thick, 14"W x 8"D minimizes heat loss and provides unobstructed view of platform and its load. For light-sensitive sample, a SS plate is available to cover the window.
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 counter weight for shaking heavy loads without the need for adjustments as the load changes
Motor	Maintenance-free, brushless motor with a built-in cooling fan enables to motor to operate at a lower temperature for long life
Compressor	¼ HP, R134a refrigerant
Speed Range/Display	20 to 420 RPM with standard 1" (25mm) orbit/digital and measured directly using a speed sensor
Timer	Continuous operation or programmable up to 99 hours
Platform	30"W x 18"D universal shaking platform for flask holders, spring racks, tube racks/rack holders, micro plate holders and other accessories
Chamber Dimensions	33.8"W x 22.0"D x 19.7"H (860mm x 560mm x 500mm), height of 19.7" accommodates 16.0" 6-liter flasks
Overall Dimensions	43"W x 24.7"D x 36.6"H (1094mm x 629mm x 930mm)

FLASK CAPACITY

Flask Size (mL)	25	50	125	250	500	1000	2000	2800	4000	6000
No. of Flasks	120	112	60	40	24	15	12	6	6	6

ACCESSORIES:

Holders for Tube Racks & Plates



Full Size Spring Rack



Platform with Custom Spring Rack and Other Accessories



Flask Clamps



Amerex Instruments, Inc.

3951C Industrial Way
 Concord, California 94520
 925.299.0743 / Fax: 925.299.0745
 www.amerexinst.com
 marketing@amerexinst.com