

## **GYROMAX™ 737 ORBITAL INCUBATOR SHAKER**

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



The GYROMAX™ 737 orbital incubator shaker is designed so that there is a shelf for incubation of plates and the control panel is conveniently located near the top of the shaker to eliminate the need of a stand. The double-walled construction, with 1.25" of insulation and a triple-pane 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 about 7°C above ambient to 80°C. An independent over-temperature thermostat protects 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 20 to 420 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 counterbalancing 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 20.5" x 17.8" platform can accommodate Erlenmeyer flasks up to 6 liters.

Optional accessories include platforms, clamps, 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.

***Amerex Instruments, Inc.***

## **SPECIFICATIONS: GYROMAX™ 737 INCUBATOR SHAKER**

<b>Temperature Range</b>	About 7°C above ambient to 80°C
<b>Temperature Control</b>	PID microprocessor temperature controller, platinum RTD sensor
<b>Temperature Display</b>	Digital to 0.1°C
<b>Accuracy/Uniformity</b>	±0.1°C/±0.5°C at 37°C
<b>Control Panel</b>	Located near the top of the unit for easy access and without the need of a stand
<b>Insulation</b>	1.25" all around chamber and a triple-pane glass window
<b>Stacking</b>	Two can be stacked and coupled to save space Note: When stacked, maximum RPM of top unit is reduced to about 200 RPM.
<b>Shelf</b>	One supplied, additional shelves optional
<b>Spring Rack</b>	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
<b>Drive</b>	Dynamically balanced triple-eccentric drive with twelve permanently lubricated bearings
<b>Motor</b>	Maintenance-free, brushless motor with a built-in cooling fan
<b>Speed Range/Display</b>	20 to 420 RPM with standard 1" (25mm) orbit/digital and measured directly using a speed sensor
<b>Timer</b>	Programmable up to 99 hours
<b>Chamber Dimensions</b>	22.4"W x 19.7"D x 23.6"H (570mm x 500mm x 600mm)
<b>Chamber Material</b>	Stainless steel
<b>Platform Dimensions</b>	20.5"W x 17.7"D (520mm x 450mm)
<b>Overall Dimensions</b>	33.2"W x 23.6"D x 33.5"H (845mm x 600 x 850mm)
<b>Power Source</b>	120V, 50/60Hz, single phase, 8A
<b>Flask Size (mL)</b>	<b>50 125 250 500 1000 2000 2800 4000 6000</b>
<b>No. of Flasks</b>	<b>72 42 25 16 9 6 4 4 2</b>

### ***Amerex Instruments, Inc.***

P.O. Box 787, Lafayette, CA 94549  
Tel: (925)-299-0743/(888) 263-7392 FAX: (925) 299-0745  
E-mail: [marketing@amerexinst.com](mailto:marketing@amerexinst.com)  
Web: [www.amerexinst.com](http://www.amerexinst.com)