

## **GYROMAX™ 727 ORBITAL INCUBATOR SHAKER**

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



The GYROMAX™ 727 orbital incubator shaker is compact and occupies only 20"W x 27.5"D of space. With a height of 30.5", it can fit on or under a workbench. The chamber holds a 15" x 15" platform and accommodates flasks up to 4 liters. The 727 has an adjustable shelf for simultaneous incubation with or without shaking. 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 about 7°C above ambient 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 440 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 without the need to make inconvenient adjustments as weight of the load changes. 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.

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™ 727 BENCHTOP INCUBATOR SHAKER**

<b>Temperature Range</b>	About 7°C above ambient to 80°C
<b>Temperature Control</b>	Auto-tune microprocessor proportional integral temperature controller
<b>Temperature Display</b>	Digital to 0.1°C
<b>Accuracy/Uniformity</b>	±0.1°C/±0.5°C at 37°C
<b>Access Port for Temperature Probe</b>	One
<b>Safety Devices</b>	Motor stops when door is opened
<b>Drive</b>	Dynamically balanced triple-eccentric
<b>Motor</b>	Maintenance-free brushless motor
<b>Speed Range</b>	20 to 420 RPM with standard 1" (25mm) orbit
<b>Speed Display</b>	Digital readout
<b>Chamber Material</b>	Stainless steel
<b>Timer</b>	Programmable up to 99 hours
<b>Platform Dimensions</b>	15"W x 15"D (380mm x 380mm)
<b>Chamber Dimensions</b>	17.7"W x 17.9"D x 17.3"H (450mm x 455mm x 440mm)
<b>Overall Dimensions</b>	20"W x 27.5"D x 30.5"H (510mm x 700mm x 770mm)
<b>Power Source</b>	120V, 50/60Hz, single phase, 6A (220V, 3A model available)
<b>Shipping Weight</b>	215 lb
<b>Flask Size (mL)</b>	<b>50 125 250 500 1000 2000 2800 4000</b>
<b>Number of Flasks</b>	<b>35 25 16 9 5 4 2 1</b>

**WARRANTY:** 3 years for parts and 2 years for labor.

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

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