

GYROMAX™ 727R ORBITAL REFRIGERATED INCUBATOR SHAKER



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

The GYROMAX™ 727R orbital, refrigerated incubator shaker is a benchtop model with the added benefit of an adjustable shelf for incubation. The double-walled construction, with 1.25" of insulation and a triple-paned 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 Pt-100 RTD. It is digitally and reproducibly set 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 valuable samples by preventing the chamber from overheating and overcooling. You can program the timer for up to 99 hours and 59 minutes or for continuous operation.

A large, quiet fan ensures air and temperature uniformity throughout the stainless steel chamber. A brushless, drive motor generates speeds from 40 to 400 RPM that is displayed digitally. At the same RPM, the standard shaking orbit of 25 mm provides a higher oxygen transfer rate (OTR) compared with shakers with a 19 mm orbit because OTR is directly proportional to orbit size. The motor incorporates a built-in fan that lowers the operating temperature, thereby prolonging its life. A triple-eccentric drive with counter-balancing weights provides stable shaking of heavy loads without the need for adjustments as the load increases. The shaking stops when the door is opened. The chamber lamp is turned on and off with a switch on the control panel. The 15" x 15" platform can accommodate Erlenmeyer flasks up to 4 liters.

Optional Accessories Include: Platforms, clamps, spring racks, tube racks, plate holders, and a 32-port gassing manifold that permits direct gassing into flasks or other vessels. Platform holes are drilled to accommodate the different clamps purchased. The versatile 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 spring racks is adjustable to accommodate tubes and flasks of different heights. They are mounted onto the platform by four screws.

Amerex Instruments, Inc.

GYROMAX™ 727R INCUBATOR SHAKER

SPECIFICATIONS	727R
Temperature Range	4°C to 80°C
Temperature Control	PID microprocessor temperature controller, Pt-100 RTD sensor
Temperature Display	Digital to 0.1°C
Accuracy/Uniformity	±0.1°C/±0.5°C at 37°C
Speed Range	40 to 400 RPM
Display	Digital
Orbit	25mm (1") orbit provides higher oxygen transfer rate than 19mm
Timer	Programmable up to 99 hours 59 minutes or for continuous operation
Insulation	1.25" double wall housing w/ polyurethane insulation minimizes heat loss
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.
Shelf	One supplied, additional shelves optional
Viewing Window	Triple-pane 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
Other Accessories	Platform, clamps, spring racks, tube racks, plate holders, 30-port gassing manifold, and data logger
Drive	Triple-eccentric drive with counter-balancing weights provides stable shaking of heavy loads without the need for adjustments as the load increases
Motor	Maintenance-free, brushless motor with a built-in cooling fan
Chamber Dimensions	17.7"W x 17.9"D x 17.3"H (450mm x 455mm x 440mm)
Platform Dimensions	15"W x 15"D (380mm x 380mm)
Overall Dimensions	20"W x 27.5"D x 35.5"H (510mm x 700mm x 910mm)
Power Source	120V or 220V, 50/60Hz, 8A
Warranty	2 years

FLASK CAPACITY

Flask Size (mL)	25	50	125	250	500	1000	2000	2800	4000
Number of Flasks	49	36	25	16	9	5	4	2	1

ACCESSORIES

Holders for Tube Racks & Plates



Full Size Spring Rack



Custom Spring Rack and Other Accessories



Flask Clamps



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