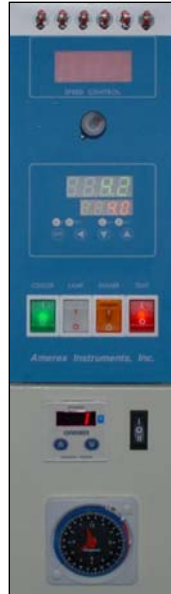


GYROMAX™ 747RL ORBITAL INCUBATOR SHAKER WITH FLOURESCENT LAMPS

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



The GYROMAX™ 747RL orbital incubator shaker comes with six fluorescent lamps with individual, manual switches. The lamps are mounted on the roof of the chamber so that to effect the uniform distribution of light on the load. A 24-hour diurnal timer controls these lamps and can turn one to six lamps on and off.

The 747RL is designed to accommodate as many clamps of a given size as that in a chest-type shaker, but has the advantage of accommodating shelves for incubation and the stacking of two units to save space. 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. An independent safety thermostat protects the chamber from accidental overheating. A 99-hour timer is programmable for timed runs.

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 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 counter-balancing weights provides smooth and quiet shaking. The shaking stops when the door is opened. The chamber is constructed of stainless steel. The 26" x 21" platform can accommodate Erlenmeyer flasks up to 6 liters.

Amerex Instruments, Inc.

SPECIFICATIONS: GYROMAX™ 747RL INCUBATOR SHAKER

Temperature Range	4°C to 80°C
Temperature Control	Auto-tune PID microprocessor temperature controller, platinum RTD sensor
Temperature Display	Digital to 0.1°C
Accuracy/Uniformity	±0.1°C/±1.0°C at 37°C
Insulation	1.25" all around chamber
Stacking	Two can be stacked and coupled to save space Note: When stacked, maximum RPM of top unit is reduced to 200 RPM or less.
Shelf	One supplied, additional shelves optional
Viewing Window	Triple-paned, 1.25" (30mm) thick
Illumination	Six 20-watt fluorescent lamps with individual switches so that one to six lamps could be turned on and off by the diurnal timer at a time
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 420 RPM with standard 1" (25mm) orbit
Speed Display	Digital LED with direct speed sensor
Chamber Dimensions	28"W x 23"D x 23.6"H (713mm x 585mm x 600mm)
Timers	One 24-hour (for lamps) and one 99-hour timer
Chamber Material	Stainless steel
Platform Dimensions	26"W x 21"D (660mm x 530mm)
Overall Dimensions	39.5"W x 28"D x 39.8"H (1094mm x 713mm x 1010mm)
Power Source	120V, 50/60Hz, single phase, 15A (220V available)
Flask Size (mL)	50 125 250 500 1000 2000 2800 4000 6000
No. of Flasks	112 63 42 30 15 12 6 6 4

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