

SPECIFICATIONS

Overall dimensions (L x W x H):	17.9 x 11 x 10.5" (45.5 x 27.9 x 27cm)
Electrical (50/60 Hz):	120 volts, 2 amps, 200 watts 230 volts, 1 amp, 200 watts
Fuses:	5mm x 20mm, 5 amp quick acting
Temperature range:	10°C below ambient to 65°C, when operating conditions are 15° to 40°C
Temperature uniformity:	±0.5°C at 37°C
Speed range using microplates:	100 to 1200rpm
Speed range using modular blocks:	100 to 600rpm
Speed accuracy:	±2%
Timer:	1 second to 9999 minutes (increased in 1 second increments)
Orbit:	0.125" (3mm)
Capacity:	2 microplates or 2 modular blocks
Controls:	see page 4
Ship weight:	34lbs (15.4kg)

OPERATING INSTRUCTIONS

The Incubating/Cooling Orbital Shaker has been designed for the temperature, speed and time functions to work independently of one another. The temperature and speed can be reset without resetting the timer and the timer can be stopped and started without interrupting the heating/cooling and shaking functions.

1. Getting ready:

- Plug the power cord into a properly grounded outlet. The standby indicator light will illuminate, and a single audible beep will sound, verifying power to the unit.
- Press the standby button to move the unit from standby mode. The standby indicator light will turn off and the temperature, speed and time displays will illuminate, displaying the previously used settings.



2. Setting temperature:

- Press the up/down arrows below the temperature display until you reach the desired temperature. When you release the button, the display will blink off and then on indicating the new set temperature has been accepted. The lights above to the temperature display will alternate between the actual and set-point temperature, showing both values, until five (5) audible beeps sound indicating set-point temperature has been reached.
- Press the on/off button to start the heating/cooling function. The indicator light below the temperature display will illuminate to indicate the heating/cooling function is in use and remain lit until heating/cooling has ceased.
- Temperature adjustments can be made without interrupting heating or cooling by using the up/down arrows below the temperature display. After the change has been made and you release the button, the display will blink off and then on indicating the new set temperature has been accepted.
- To stop the heating or cooling function, press the on/off button below the temperature display. The temperature indicator light will turn off.