

The **Talboys Incubating/Cooling Shaker** is micro plate ready without the need for any additional accessories. Modular blocks can accommodate micro-tubes, centrifuge tubes, vials, or culture tubes. Holds micro plates or modular blocks with a 5" (12.7cm) tall interior capacity. Ideal for analysis that require a stable, controlled temperature.



Specification:

Temperature range: 10°C below ambient to 65°C

Temperature uniformity: $\pm 0.5^{\circ}\text{C}$ at 37°C

Speed range using Micro plates: 100 to 1200rpm

Speed range using Modular Blocks: 100 to 600rpm

Speed Accuracy: $\pm 2\%$

Timer: 1 second to 160 hours

Capacity: 2 micro plates or 2 modular blocks

Overall Dimensions: (L x W x H) 17.9 x 11 x 10.5"

Operating Features:

Microprocessor Control: The variable speed microprocessor control provides consistent uniform shaking action. Microprocessor will display last set-point and will restart if power is interrupted.

PID Temperature Controller: Maintains precise temperature control from 10°C below ambient to 65°C. Easy to use controls allow users to adjust temperature in 1°C increments.

Triple Eccentric Drive: Permanently lubricated ball bearings and maintenance free, brushless DC motor provide reliable service and continuous duty operation.

LED Display: Touch pad controls with easy-to-read, independent LED displays for temperature, speed, and time allow operator to view all settings at once. Provides repeatable and accurate results every time and is easily visible across lab benches. Timer will display elapsed time or when programmed to user defined limit, will shut off unit when time reaches zero. Display will show last used settings, even after power has been turned off.

Safety Features:

Overload Protection: Audible and visual signals will activate when system detects an obstruction or overload of the tray.

Ramping Feature: Slowly increases speed to desired set-point to avoid splashing.

Audible Alarm: In timed mode, alarm will sound when the time reaches zero. Alarm has optional mute function which can be set from the touch pad control.

Caution Hot Indicator: Symbol illuminates when the temperature of the air in the chamber reaches 40°C and remains lit until temperature cools down.

Spill-Resistant Design: Channels fluids away from internal components.

Polycarbonate Lid: Permits viewing of samples without disturbing internal temperature.

Operating Conditions:

Unit can be run from 5 to 40°C (41 to 104°F).

Applications:

Bacterial cultures