

## Advanced Round Top Hotplate-Stirrers



- Excellent temperature uniformity
- Cool touch, chemical resistant housing
- LED display for temperature

Talboys Advanced Round Top Hotplate-Stirrers deliver accurate and repeatable results. These units are microprocessor controlled and have an LED display for temperature. Control panel features easy-to-use controls which allow users to dial in adjustments. Rear housing features an integral support rod holder with locking knob to accept the optional Support Rod and Clamp Kit.

**Operating Features:**

**Low Profile Design:** Takes up minimal space and fits easily into fume hoods. Spill-resistant design channels fluids away from internal components.

**LED Display:** Shows set-point temperature. Display is easy-to-read and provides repeatable and accurate results every time.

**Control Panel:** Adjustment knob for temperature displays set-point in LED display. Stir control knob has rpm adjustment markings.

**Recall Last Temperature:** Built-in memory allows users to recall last set temperature, even when unit has been turned off.

**Microprocessor Control:** Advanced electronics regulate both heating and stirring and bring samples to temperature quickly and efficiently. Temperature measurement is controlled more accurately by utilizing an internal RTD. Speed is precisely controlled, and provides consistent stirring at all speeds. Powerful continuous duty motor delivers dependable and reliable stirring.

**Heating Capacity:** Robust heater allows heating surface to reach set-point quickly.

**Stainless Steel Top Plate:** 5.3" (135mm) diameter top plate is durable and will not crack. Accepts optional Talboys base plate that holds a variety of block options for holding multiple samples at one time.

**Built-In Support Rod Holder:** Rear housing features an off-centered, built-in support rod holder with locking knob that accepts the optional Support Rod and Clamp Kit.

**Safety Features:**

**Cool Touch Housing:** Housing is made of a heat resistant polymer that is not only cool to the touch, but is also chemical resistant.

**Hot Top Indicator:** For additional safety, hot symbol warning light is illuminated when heat is turned on and remains on until top plate cools down.

**Stir Protection:** If stirrer motor stops or fails, unit will automatically shut down heater (for hotplate-stirrers).

**Speed Ramping Feature:** Slowly increases speed for improved safety and enhanced coupling. Avoids splashing, improves spin bar control, and provides excellent low end speed control.

**Optional Support Rod and Clamp Kit:** Kit includes 18" (45.7cm) stainless steel support rod, 3-prong medium swivel clamp, thermometer/temperature probe extension clamp, and hook connector. See page 67 for all options.



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**Operating Conditions:**

Unit can be run in conditions from 5 to 40°C (41 to 104°F), 20% to 80% relative humidity, non-condensing.

**Ordering Information:**

Units include a 92" (234cm) detachable, 3-wire cord and plug (230V units are supplied with Euro type plug). Units are also supplied with a 1.5" (3.8cm) PTFE coated stir bar. **5 year limited warranty on parts and labor.**

| Specifications                 |   |
|--------------------------------|---|
| Temperature Range              | Ambient +5° to 400°C                        |
| Temperature Stability*         | ± 3%  |
| Speed Range                    | 60 to 1600rpm                               |
| Speed Stability                | ± 2%  |
| Maximum Capacity               | 1500mL                                      |
| Top Plate Dimensions (Dia.)    | 5.3" (135mm)                                |
| Overall Dimensions (L x W x H) | 14.8 x 9.9 x 4.3"<br>(37.6 x 25.1 x 10.9cm) |
| Ship Weight                    | 9.4lbs (4.3kg)                              |

\* Below 100°C ± 2°C. Environmental and sample conditions permitting.

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**item #**

| Description                         |                  | Electrical (50/60 Hz)       | Part Number  |
|-------------------------------------|------------------|-----------------------------|--------------|
| Advanced Round Top Hotplate-Stirrer | <b>23212-120</b> | 120V   8.3 amps   500 watts | 984TARSHSUSA |
| Advanced Round Top Hotplate-Stirrer | <b>23212-230</b> | 230V   4.6 amps   500 watts | 984TARSHSEUA |