

- 4.3" color LCD touch screen display provides an intuitive interface
- Rapid heating, cooling and high speed shaking ability
- Internal memory stores five separate 5-step programs

The Talboys Cooling Thermal Shake Touch is designed for applications that require consistent and precise results. With heating, cooling and shaking capabilities, the Cooling Thermal Shake Touch uses interchangeable blocks to accommodate a wide variety of tubes and microplates. The easy-to-use, 4.3", color, LCD touch screen allows the user to save and visibly track progress through the live status bar for five user defined programs, each with five individual steps. The unit's enhanced electronics and dual temperature sensors provide accurate, dependable temperature settings across the operating range.

Operating Features:

Low Profile Design: The low profile design minimizes the unit's footprint on the bench.

LCD Touch Screen: Enables faster setting of temperature, speed, and time which can all be viewed at once. Display features on-screen help topics with operational tips available in six languages. Touch screen is compatible with rubber gloves used in labs. USB port can transfer information to a flash drive for data logging, program storage and software updates.

Program Control: Program control capabilities allow user programmable operation for automated use and memory. Storage for five separate 5-step programs, or unlimited number of programs with the use of the USB.

Temperature ramp rate: Adjustable temperature ramp rate feature separately defines the heating and cooling rate in increments of 0.5°C/min.

Single Point Calibration Mode: For maximum temperature accuracy, the single point calibration procedure allows the user to calibrate up to 6 different user defined temperatures.

Pulse Mode Feature: The unit is equipped with a pulse mode feature for quick vortex applications.

Safety Features:

Cool Touch Housing: Constructed from a high-quality, heat and chemical resistant polymer. The unit's housing remains cool to the touch throughout normal operating temperatures.

Maximum Temperature Limiting Function: Ensures the temperature will not exceed preset limits, allowing the user control of temperature sensitive samples.

Hot Top Indicator: A hot top warning light will illuminate when the temperature reaches 40°C, and will remain lit until the unit is sufficiently cooled.

Audible Alarm: In timed mode, an alarm will sound when the time reaches zero or set-point temperature is reached. Additionally, the heat function will automatically shut off if the unit recognizes an internal issue.

Operating Conditions:

Unit can operate in conditions from 5 to 35°C (41 to 95°F), maximum 80% relative humidity, non-condensing.

Applications:

Cell cultures, DNA, RNA, and protein studies.



980TAHSCTSUS

Ordering Information

Unit includes a 92" (234cm) detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Unit is also supplied with a 1.5mL block, clear rack, and cover. **5 year limited warranty on parts and labor.**

Optional NIST Traceable Calibration Certificate provided by Troemner's ISO/IEC 17025 accredited laboratory. Multiple data points within the temperature and speed ranges, and time function, are reported on the certificate with the associated uncertainties.

Specifications	
Temperature Range	17°C below ambient to 100°C
Temperature Accuracy	± 0.5°C between 20°C and 45°C ± 2°C below 20°C and above 45°C
Speed Range	300 to 3000rpm
Speed Accuracy	± 2%
Timer	1 minute to 99 hours, 59 minutes
Orbit	3mm (0.12")
Cooling Rate	Above ambient 2-3°C/min Below ambient 0.5-1.0°C/min
Heating Rate	5°C/min
Overall Dimensions (L x W x H)	10.25 x 9.75 x 5.2" (26 x 24.8 x 13.2cm)
Ship Weight	17lbs (7.7kg)

Distributed by:

Safety Emporium
PO Box 1003
Blackwood, NJ 08012
Ph: (866) 326-5412 (toll-free)
Fax: (856) 553-6154
esales@safetyemporium.com
www.safetyemporium.com

Description

Cooling Thermal Shake Touch
Cooling Thermal Shake Touch
Cooling Thermal Shake Touch with NIST Traceable Certificate
Cooling Thermal Shake Touch with NIST Traceable Certificate

Electrical (50/60 Hz)

120V | 1.8 amps | 215 watts
230V | 0.9 amps | 210 watts
120V | 1.8 amps | 215 watts
230V | 0.9 amps | 210 watts

Part Number

980TAHSCTSUS
980TAHSCTSEU
980TAHSCTSUC
980TAHSCTSEC