Professional Touch 1000WS Incubating Waving Shaker

- **Intuitive 4.3" color touch screen**
- **Programmable for 5 separate, 5-step programs**
- **Visibly track program progress through live status bar**
- **On-board help screens**
- **Electronic tilt adjustment from 0 to 20° while unit is operating**
- **Includes NIST traceable certificate for temperature, speed and time**

The Talboys Professional Touch 1000WS Incubating Waving Shaker combines the unique vertical and horizontal "wave" motion with general purpose incubation in one compact bench top unit.

Operating Features:

LCD Touch Screen: Enables faster setting of temperature, speed, tilt angle, and time which can be viewed at once. Display features on-screen help topics. Touch screen is compatible with rubber gloves used in labs.

USB: USB port can transfer data 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. The unit can be programmed to wave in a clockwise, counter-clockwise or both motions within a program, for the most thorough mixing.

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

Microprocessor Control: The variable speed microprocessor control provides electronic tilt angle and speed adjustments which allows the user to easily adjust waving angle and speed while the unit is operating. Precise speed and tilt angle control provides smooth, low speed rocking waving down to 1rpm. Microprocessor will display last set-point and will restart if power is interrupted (continuous mode).

PID Temperature Controller: Maintains precise temperature control from ambient +5°C to 65°C. Easy-to-use controls allow users to adjust temperature in 1°C increments.

Temperature Calibration Mode: Allows user to calibrate unit to an external temperature device for up to 6 separate points.

Safety Features:

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

Speed 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.

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.

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

Operating Conditions:

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

Applications:

Cell cultures, staining and destaining gels, hybridizations, and blotting techniques.

980TAIRWTSUSC

Ordering Information:

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

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	Ambient +5°C to 65°C
Temperature Uniformity	± 0.5°C at 37°C
Speed Range	1 to 30rpm*
Speed Accuracy	± 1rpm
Tilt Angle	0 to 20° *
Timer	1 minute to 99 hours, 59 minutes
Maximum Weight Capacity	5lbs (2.3kg)**
Tray Material	Aluminum
Tray Dimensions (L x W)	9.25 x 7.25" (23.5 x 18.4cm)
Interior Dimensions (L x W x H)	10.75 x 7.75 x 3.4" (27.3 x 19.7 x 8.6cm)
Overall Dimensions (L x W x H)	17 x 11 x 10.5" (43.2 x 27.9 x 26.7cm)
Ship Weight	22lbs (10kg)

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

Description	Electrical (50/60 Hz)	Part Number
Professional Touch 1000WS Incubating Waving Shaker with NIST Traceable Certificate	120V I 3.5 amps I 400 watts	980TAIRWTSUSC
Professional Touch 1000WS Incubating Waving Shaker with NIST Traceable Certificate	230V I 2.0 amps I 400 watts	980TAIRWTSEUC