Professional Touch 1000MP Incubating Microplate 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**
- **Accepts deep-well plates, microplates or microtube racks**
- **Includes NIST traceable certificate for temperature, speed and time**

The Talboys Professional Touch 1000MP Incubating Microplate Shaker is optimized for shaking microplates, deep-well plates and microtubes.

Operating Features:

LCD Touch Screen: Enables faster setting of temperature, speed 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.

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

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 (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.

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

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: Clear lid permits viewing of samples without disturbing internal temperature. Opaque lid prohibits light exposure to light sensitive samples.

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:

Immunoassays and hybridizations.

980TAIMPTSUSC

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	100 to 1200rpm
Speed Accuracy	± 2%
Timer	1 minute to 99 hours, 59 minutes
Orbit	3mm (0.12")
Maximum Weight Capacity	4 microplates or 2 microtube racks
Tray Material	Aluminum
Tray Dimensions (L x W)	11 x 7.75" (27.9 x 19.7cm)
Interior Dimensions (L x W x H)	11.3 x 8.3 x 5.7" (28.7 x 21.1 x 14.5cm)
Overall Dimensions (L x W x H)	17 x 11 x 10.7" (43.2 x 27.9 x 27cm)
Ship Weight	30lbs (13.6kg)

Description	Electrical (50/60 Hz)	Part Number
Professional Touch 1000MP Incubating Microplate Shaker with NIST Traceable Certificate	120V I 3.5 amps I 400 watts	980TAIMPTSUSC
Professional Touch 1000MP Incubating Microplate Shaker with NIST Traceable Certificate	230V I 2.0 amps I 400 watts	980TAIMPTSEUC
Professional Touch 1000MP Incubating Microplate Shaker with Opaque Lid with NIST Traceable Certificate	120V I 3.5 amps I 400 watts	980TAIMOTSUSC
Professional Touch 1000MP Incubating Microplate Shaker with Opaque Lid with NIST Traceable Certificate	230V I 2.0 amps I 400 watts	980TAIMOTSEUC