Advanced Touch 1000MP 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 speed and time**

The Talboys Advanced Touch 1000MP Microplate Shaker is ideal for immunoassays and general microplate shaking and is designed to be used in a variety of environmental conditions.

Operating Features:

Low Profile Design: The low profile design minimizes the unit's footprint on the bench and fits in most hoods and incubators.

LCD Touch Screen: Enables faster setting of 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).

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

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.

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

Operating Conditions:

Units can be run in cold rooms, incubators, and CO_2 environments from -10 to 60°C (14 to 140°F), maximum 80% relative humidity, non-condensing.

Applications:

ELISA assays, DNA studies, immunoassays, and magnetic bead applications.

980TAOMPTSUSC

Ordering Information

Units include 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 speed range and time function are reported on the certificate with the associated uncertainties.

Specifications	
Speed Range	100 to 1200rpm
Speed Accuracy	± 2%
Timer	1 second to 160 hours
Orbit	3mm (0.12")
Maximum Weight Capacity	4 microplates or 2 micro-tube racks
Tray Material	Aluminum
Tray Dimensions (L x W)	11 x 7.75" (27.9 x 19.7cm)
Overall Dimensions (L x W x H)	17 x 11 x 4" (43.2 x 27.9 x 10.2cm)
Ship Weight	25lbs (11.3kg)

Description	Electrical (50/60 Hz)	Part Number
Advanced Touch 1000MP Microplate Shaker with NIST Traceable Certificate	120V I 0.3 amps I 20 watts	980TAOMPTSUSC
Advanced Touch 1000MP Microplate Shaker with NIST Traceable Certificate	230V I 0.3 amps I 20 watts	980TAOMPTSEUC

Advanced 1000 MP Microplate Shaker

- **Holds up to 4 microplates or 2 micro-tube racks**
- **Accepts deep well plates**
- **Timer with audible alarm**

The Talboys Advanced 1000MP Microplate Shaker is ideal for immunoassays and general microplate shaking, and is designed to be used in a variety of environmental conditions.

Operating Features:

Low Profile Design: Takes up less space and easily fits into most hoods and incubators. Cast aluminum base offers durability and added stability.

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.

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 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.

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.

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

Operating Conditions:

Unit can be run in cold rooms, incubators, and CO_2 environments from -10 to 60°C (14 to 140°F), maximum 80% relative humidity, non-condensing.

Applications:

ELISA assays and DNA studies.

Ordering Information:

Units include 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.**

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

980178

Specifications	
Speed Range	100 to 1200rpm
Speed Accuracy	± 2%
Timer	1 second to 160 hours
Orbit	3mm (0.12")
Maximum Weight Capacity	4 microplates or 2 micro-tube racks
Tray Material	Aluminum
Tray Dimensions (L x W)	11 x 7.75" (27.9 x 19.7cm)
Overall Dimensions (L x W x H)	17 x 11 x 4" (43.2 x 27.9 x 10.2cm)
Ship Weight	25lbs (11.3kg)

Description	Electrical (50/60 Hz)	Part Number
Advanced 1000MP Microplate Shaker	120V I 5.0 amps I 25 watts	980178
Advanced 1000MP Microplate Shaker	230V I 5.0 amps I 25 watts	980179
Advanced 1000MP Microplate Shaker with NIST Traceable Certificate	120V I 5.0 amps I 25 watts	980178-C
Advanced 1000MP Microplate Shaker with NIST Traceable Certificate	230V I 5.0 amps I 25 watts	980179-C