Advanced Touch 1000-3 Orbital 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**
- **Built-in tray for mounting accessories**
- **Includes NIST traceable certificate for speed and time**

The Talboys Advanced Touch 1000-3 Orbital Shaker is ideal for a wide variety of shaking applications that require consistent and precise results. Tray includes a non-skid rubber mat. Remove mat to mount a variety of optional flask clamps or test tube racks directly onto the tray.

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:

Cell, bacteria and fungi cultures, immunoassays, hybridization assays, and protein studies.

980TAOMNTSUSC

Ordering Information

Units include a 92" (234cm) detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Units are also supplied with an 11.75 x 8.75" (29.9 x 22.2cm) non-skid rubber mat. **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 minute to 99 hours, 59 minutes
Orbit	3mm (0.12")
Maximum Weight Capacity	8lbs (3.6kg)
Tray Material	Aluminum
Tray Dimensions (L x W)	11.75 x 8.75" (29.9 x 22.2cm)
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 1000-3 Orbital Shaker with NIST Traceable Certificate	120V I 0.3 amps I 20 watts	980TAOMNTSUSC
Advanced Touch 1000-3 Orbital Shaker with NIST Traceable Certificate	230V I 0.3 amps I 20 watts	980TAOMNTSEUC