

VWR® symphony™ Incubating Microplate Shaker

- LED displays for temperature, speed, and time
- Timer with audible alarm
- Available with opaque lid for light sensitive samples

The VWR® symphony™ Incubating Microplate Shakers are optimized for shaking microplates, deep-well plates, or micro-tubes.

Operating Features:

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.

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.

LED display: Touch pad controls with easy-to-read, independent LED displays for temperature, 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.

Temperature calibration mode: Allows user to calibrate unit to an external temperature device.

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.

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.

12620-930



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 an 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 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 7.75" (43.2 x 27.9 x 19.7cm) |
| Ship Weight | 30lbs (13.6kg) |

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| Description | Electrical (50/60 Hz) | Cat. No. |
|--|---------------------------|-----------|
| Incubating Microplate Shaker | 120V 5 amps 450 watts | 12620-930 |
| Incubating Microplate Shaker | 230V 5 amps 450 watts | 12620-932 |
| Incubating Microplate Shaker with Opaque Lid | 120V 5 amps 450 watts | 97043-606 |
| Incubating Microplate Shaker with Opaque Lid | 230V 5 amps 450 watts | 97043-608 |
| Incubating Microplate Shaker with NIST Traceable Certificate | 120V 5 amps 450 watts | 10027-128 |
| Incubating Microplate Shaker with NIST Traceable Certificate | 230V 5 amps 450 watts | 10027-130 |
| Incubating Microplate Shaker with Opaque Lid with NIST Traceable Certificate | 120V 5 amps 450 watts | 10027-132 |
| Incubating Microplate Shaker with Opaque Lid with NIST Traceable Certificate | 230V 5 amps 450 watts | 10027-134 |