

## EverLast™ 247 Variable Speed/Angle Platform Rocker Model BR5000 Instruction Manual

Benchmark's EverLast 247 Rocker is a quiet, high capacity, platform rocker with adjustable speed and tilt angle. The EverLast 247 is a multi-purpose rocker serving most "see-saw" type rocking applications. It is ideal for blot washing and gel staining and de-staining. The instrument has a 4.45kg (12lb) load capacity, comes with a non-skid rubber mat. An optional stacking platform is also available (BR5000-STACK). The EverLast Rocker will operate in cold rooms down to 0°C and in incubators up to 65°C.

### I. Product Specifications:

**Speed:** User adjustable from 3rpm to 80rpm

**Tilt angle:** User adjustable from 0 to +/-20 degrees tilt

**Platform:** 40.6 x 30.0 cm (16" x 12")

**Load Capacity:** 4.45kg (12 lbs) centered and balanced on the platform

**Dimensions:** wxdxh 40.5x33 x15.25 cm (16x13x6")

**Weight:** 9kg (20lbs)

**Electrical:** 115VAC, 50-60Hz, 50W 0.4A (Model BR5000)

230VAC, 50-60Hz, 92W 0.4A (Model BR5000-E) CE compliant

**Operating environment:** 0°C (cold room) to 65°C (incubator)

**Warranty:** 5 years

### II. Product Set-Up:

Place the rocker on a clean, flat, stable surface. Plug the rocker into a properly grounded outlet. Check that nothing blocks the up and down rocking action of the platform. Turn the rocker on by turning the control knob clockwise past the first stop.

### III. Product Operation:

Load the platform from the center out, making sure the items placed on the platform create a balanced load around the center line of the platform. This is important as large, overhung platform loads may cause the rocker to tip over. Turn the unit on by increasing the speed value on the control knob. Rotate the Speed Control knob clockwise to set the desired rocking speed.

### IV. Tilt Angle Adjustment:

The tilt angle is adjusted from the back of the instrument. First remove the L shaped bracket by removing the two screws. Please note that the platform is attached to the motor shaft via rod bearings. Please turn the motor so the slot on the disk attached to the motor shaft is in the straight up position. Before making the adjustment, please note that if the wing nut is loosened and moved away from the center of the disk the degree of tilt will increase, and the opposite will occur if the wing nut is moved toward the center of the slot. Loosen the wing nut but do not remove it from the screw. Pliers or adjustable wrench may be required. If the motor shaft turns when loosening the wing nut, use the rod attached to the cover you just removed and insert it in the hole in the motor shaft after inserting it thru the back panel. You may have to turn the motor on and stop the motor shaft hole facing toward the back panel. Rotate the disk so the slot is pointed up if you changed the position. Move the wing nut up or down and note the degree of tilt. When the desired degree of tilt is achieved, tighten the wing nut by hand and run the shaker a few RPM's to make sure you have achieved a satisfactory degree of tilt. Tighten the wing nut with pliers or wrench, replace the rod on the back panel if removed and replace the back panel with the two screws previously removed.

### V. Care and Maintenance:

No routine maintenance is required other than to keep the unit clean. Cleaning can be done with a damp cloth. Avoid the use of solvents as they may damage the product housing.

