



Operations Manual

Item: BT30 (-E)

V1.0

Orbi-Blotter™ Low Speed Orbital Shaker



Introduction:

Benchmark's Orbi-Blotter low speed orbital shaker is a quiet, easy to operate, medium capacity, orbital shaker designed for blot washing, gel staining, destaining and the low speed shaking of flasks and other vessels. The Orbi-Blotter has a 2.3kg (5.0lb) load capacity, comes with a flat, non-skid rubber mat and has stacking platform, flask clamp and tube rack accessories. The Orbi-Blotter will operate in cold rooms down to 4°C and in incubators up to 65°C.

I. Specifications:

Speed: User adjustable from 3rpm to 75rpm

Orbit 19mm

Motor: Electronically controlled brushless gear motor (no carbon brushes to replace)

Platform: 35.6 x 30.0 cm (14" x 12")

Load Capacity: 2.3kg (5 lbs) centered and balanced

Dimensions: wxdxh 35.6x30.0x16.5 cm (14x12x6.5")

Weight: 5kg (11lbs)

Mat: Flat, non-skid, black, autoclavable

Electrical: 115VAC, 60Hz, 0.24 amps (BT30)

230VAC, 50Hz, 0.12 amps (BT30-230)

Operating environment: 4°C (cold room) to 65°C

Warranty: 2 years

II. Product Set-Up:

Place the rocker on a clean, flat, stable surface. Make sure that the power switch is in the OFF (not illuminated) position. Plug the shaker into a properly grounded outlet. Check that nothing blocks the orbital motion of the platform. **Set the Speed Control knob to the lowest speed setting (full counter clock wise).**

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 vibration or walking. Turn the unit on by activating the ON/OFF switch so that it is illuminated. Rotate the Speed Control knob clockwise to set the desired shaking speed.

IV. Accessories, stacking platforms and mats:

Stacking platforms are available (Item: BR2000-STACK) that allow doubling of the work area. There is a 7.5 cm (3") separation between the two platforms, allowing access to the content of both trays. The stacking platform comes with a flat mat. Additional dimpled and flat mats are also available.

VI. 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.

Service and Contact:

In the event that service or technical support is required, please contact **Benchmark** by phone at **1-908-769-5555** or by email at info@benchmarkscientific.com.

Benchmark 
Scientific

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