

Brecknell**MBS Series**

Precision Lab Balances

**ONE SCALE. TWO CAPACITIES. SMART PRECISION.**

By automatically adjusting resolution across two capacity ranges, the MBS Lab Balances ensures accurate weighing whether the load is small or large - without needing multiple scales. Minimize equipment clutter and boost efficiency with one versatile solution. With its value-focused analytical capabilities, the MBS Series is ideal for process control, nutrition, and education/training applications.

Simple to use, the MBS is housed in a robust ABS enclosure with stainless steel weighing platter and a high-contrast, backlit LCD display. Comes standard with RS232 port for connection to a PC for data collection.

Powered by a wall plug or AA batteries it provides up to 15 hours of battery life. Built-in lab calibration mode for added accuracy.

**Accuracy**

Within 0.004% of full load

**Dual Range Capacity**

300 g x 0.005 g - 600 g x 0.01 g
600 g x 0.01 g - 1200 g x 0.02 g
3000 g x 0.05 g - 6000 g x 0.1 g

**Power**

12V 500mA power supply (included) or
AA batteries (not included) with auto-off

**Display**

Large, clear 6½" digits, 120 mm x 9.5
mm / 0.75" x 0.4" high seven segment
backlit LCD

**Construction**

Robust plastic housing, stainless
steel top plate

**Operating Keys**

On/Off, Count, Calibration, Tare, Mode,
Units (g, oz, ozt, dwt, lb, ct, %, pc)

MBS Series Precision Lab Balances

Specifications

Dual Range Capacity:

MBS600: 300 g x 0.005 g - 600 g x 0.01 g
MBS1200: 600 g x 0.01 g - 1200 g x 0.02 g
MBS6000: 3000 g x 0.05 g - 6000 g x 0.1 g

Platform Size:

MBS600 (Diameter x H):
4.65" / 120 mm x 0.4" / 9.5 mm

MBS1200 / MBS6000 (L x W x H):
6.9" x 6.9" x 0.3"
175 mm x 175 mm x 8 mm

Scale Dimension (L x W x H):

MBS600:
9.5" x 6.5" x 2.3" / 241 mm x 165 mm x 58 mm

MBS1200 / MBS6000:
9.8" x 6.5" x 2.3" / 248 mm x 165 mm x 58 mm

Display: Front facing 6½ digits, 0.75" / 19 mm high seven segment LCD display with blue backlit. Shows multiple weighing units plus calibration and low battery indicator.

Draft Shield: Supplied only with MBS600

COMM Port: Bi-directional RS-232 (cable not included)

Keyboard: On/Off, Count, Cal, Tare, Mode, Units

Units: g, oz, ozt, dwt, lb, ct, % pc

Power: Comes standard with a switch mode AC adapter with interchange plug ends to cover UK, EU and USA plug requirements or AA batteries (not included)

Battery Life: Approximately 15 hours

Operating Temperature: 50° F - 95° F / 10° C - 35° C

Packaging Dimension (L x W x H):

12.5" x 10.25" x 5.5"
318 mm x 261 mm x 140 mm

Shipping Weight:

MBS600:
300 g and 600 g: 3.1 lb / 1.4 kg

MBS1200 / MBS6000:
1200 g to 6000 g: 5.5 lb / 2.5 kg

Certifications: Full FCC compliance, CE, UKCA, RoHS, WEEE

Packaging Contents: MBS600 includes a 200 g test weight and draft shield; MBS1200 includes a 500 g test weight



MBS600 shown without draft shield



The MBS1200 and MBS3000 feature a stainless steel square weighing platter

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CONNECTED
WITH US!



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www.brecknellscales.com

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