

Brecknell

MBS Series

Precision Lab Balances



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



Capacity

300 g x 0.005 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, 0.75" x 0.4" /
120 mm x 9.5 mm high seven segment
backlit LCD



Construction

Robust plastic housing, stainless
steel top plate



Operator Keys

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

VALUE IN
WEIGHING

MBS Series Precision Lab Balances

Specifications

Capacity: 300 g x 0.005 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

Platform Size:

300 g and 600 g capacities (Diameter x H):
4.65" / 120 mm x 0.4" / 9.5 mm

1200 g to 6000 g capacities (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):

300 g and 600 g capacities:
9.5" x 6.5" x 2.3" / 241 mm x 165 mm x 58 mm

1200 g to 6000 g capacities:
9.8" x 6.5" x 2.3" / 248 mm x 165 mm x 58 mm

Display: Front facing 6 1/2 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:

300 g and 600 g: 3.1 lb / 1.4 kg
1200 g to 6000 g: 5.5 lb / 2.5 kg

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

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



MS600 without draft shield



MBS1200

STAY
CONNECTED
WITH US!



@brecknell-scales



@brecknell_scales

Brecknell®

brecknellscales.com

brecknellscales.co.uk

Part of Avery Weigh-Tronix

Brecknell is part of Avery Weigh-Tronix. Avery Weigh-Tronix is a trademark of Illinois Tool Works group of companies whose ultimate parent company is Illinois Tool Works Inc ("Illinois Tool Works"). Copyright © 2025 Illinois Tool Works. All rights reserved. This publication is issued to provide outline information only and may not be regarded as a representation relating to the products or services concerned. This publication was correct at the time of going to print, however Avery Weigh-Tronix reserves the right to alter without notice the specification, design, price or conditions of supply of any product or service at any time.

MBSeries_L_500786.indd
V3 AWT35-500786