MARSDEN

USER MANUAL

B-200

Please take time to read these instructions before starting to use the scale

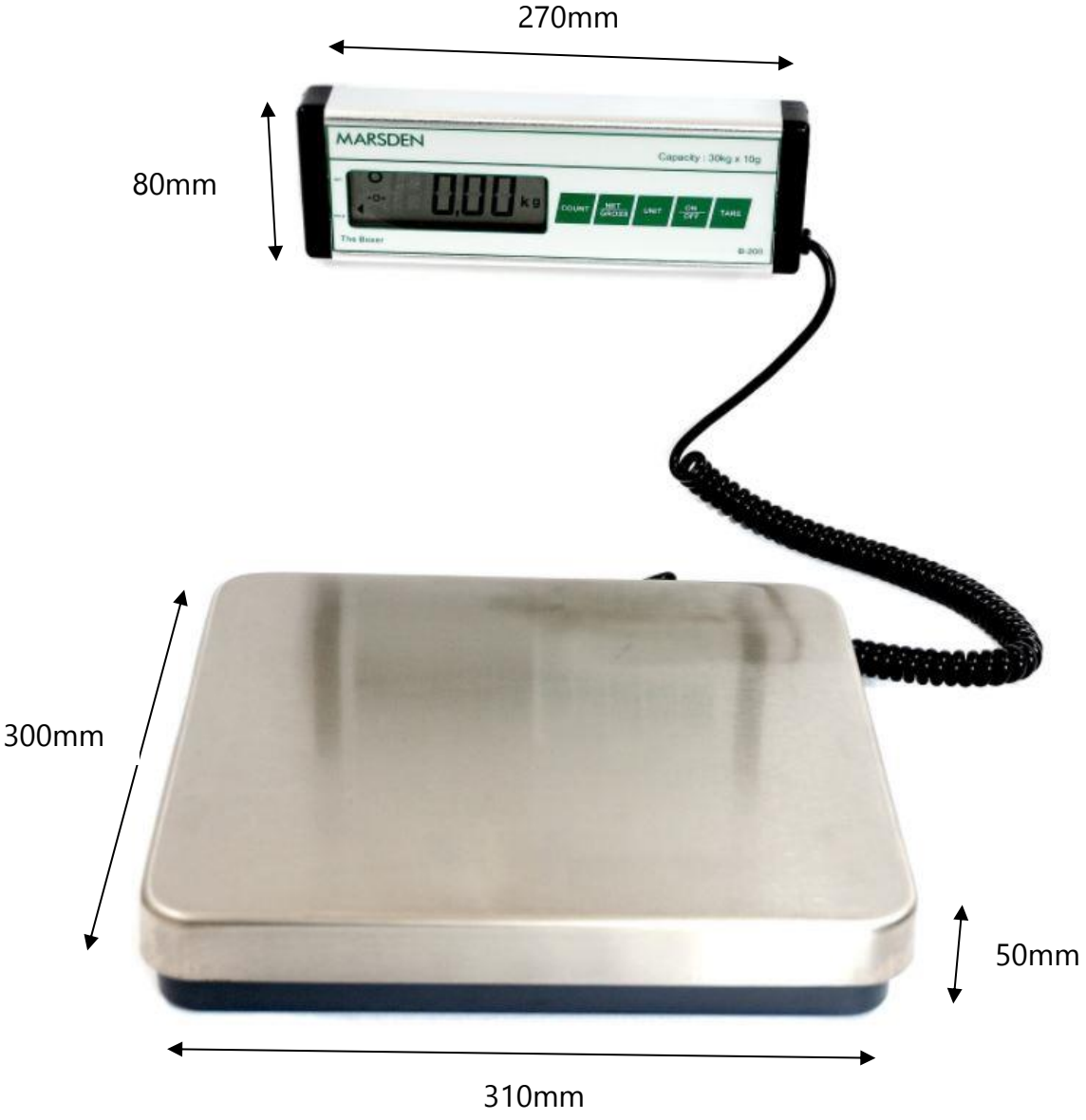# Contents

Product Specification

Model	B-200
Capacity/Division	15kg x 5g; 30kg x 10g; 60kg x 20g; 150kg x 50g; 300kg x 100g
Display Resolution	1/3,000
Weight of Scale	Approximately 4kg
Units of Measure	Kg / lb / oz
Dimensions	Base: 310mm x 300mm x 50mm Indicator: 270mm 80mm x 30mm
Function Keys	COUNT, NEW/GROSS, UNIT, ON/OFF, TARE
Display	26mm LCD digital display showing Net, Gross, Zero, Stable and weighing units
Power Supply	6x AA batteries or 9V 100ma AC adaptor
Operating Temperature	5 to 35˚C

Please note: Marsden's policy is one of continuous development and therefore we reserve the right to change product specification without notice.

Dimensions

270mm

80mm

MARSDEN

Capacity : 30kg x 10g

0.00 kg

COUNT NET GROSS UNIT ON OFF TARE

The Boxer

B-200

300mm

50mm

310mm

Overview

All scales come complete with an easy to clean stainless steel top of a study steel frame, and a remote indicator with a large LCD display which is easy to read from a distance. The water-resistant keyboard has 5 easy to use function keys: COUNT, NET/GROSS -UNIT-ON/OFF-TARE.

With the standard AC adapter included and the facility for dry cell batteries, the scales can be used in a fixed location or as a portable scale.

Assembly

Plug the power supply into the socket on the left side of the weight indicator.

Plug the power supply into the mains power.

Installing batteries

The scale can also be used with batteries. Simply remove the battery compartment cover on the underside of the base, insert 6x AA batteries and replace the battery compartment cover.

Operation Instructions

Tare: Remove unwanted weight from the scale display. Set the display to zero by storing the current weight in the Tare memory.

On/Off: Turns the scale on or off

Units: Select kilograms, pounds or ounces

Net / Gross: Select either Gross weight or Net weight when a tare weight has been entered

Count: Counting mode – display of quantity

To weigh an item turn the scale on using the **On/Off** key. When the display is at zero place an item to be weighed on the platform. The display will show the weight. The unit will be shown in kilograms unless the user has selected either pounds or ounces previously.

If an empty container is used the weight can be ignored by zeroing the display. To zero the display presses the **TARE** key. Then when material is placed in the container only the weight of the material will be shown.

Switch between showing the Net Weight (Material Only) and the Gross Weight (container plus material) by pressing the **Gross/Net** key.

To use the Count function, press **Count** key until you see the sample size you require.   For example: A10 = add 10 pieces, display will show A10 (add 10) and S-BY (standby) alternately. Minimum sample weight is 20g.

DISPLAY SYMBOLS	
Symbol	Description
➔○◀	Scale in auto zero range (indication = accurate zero)
○	Result is stable
kg , lb or oz	Scale in weighing mode
Lo-bAt	Battery is weak, after 5 minutes the scale will turn off
◀	Show the Net Weight is being display (NW) or the Gross Weight is displayed (GW)
pcs	You can select the sample size from 10, 25, 50 or 100 pieces

Calibration

Occasionally the scale should be verified that it is weighing correctly by measuring a known mass of approximately the scale capacity. Tare the scale, place the mass on the centre of the platform and note the reading. Calibrate the scale if necessary.

Before beginning make sure you have the mass specified and you know the mass is accurate.

Turn the scale off.
Press and hold the **On/Off** key then press the **Units** key 3 times. Release the **ON/OFF** key. The display will show a value from the internal counters. The typical value is 2000 to 16000.

Press the **Tare** key. Display will show zero.

Place the calibration weight (below) on the scale, in the centre of the platform.

B-200/15	10kg mass
B-200/30	20kg mass
B-200/60	40kg mass
B-200/150	100kg mass
B-200/300	200kg mass

Press the **Tare** key again. The display will show "CAL" then returns to weighing showing the value of the weight used. Remove the weight. Verify the scale is calibrated correctly.

Set Functions

The scale can be set as desired for the user. The settings that can be changed are:
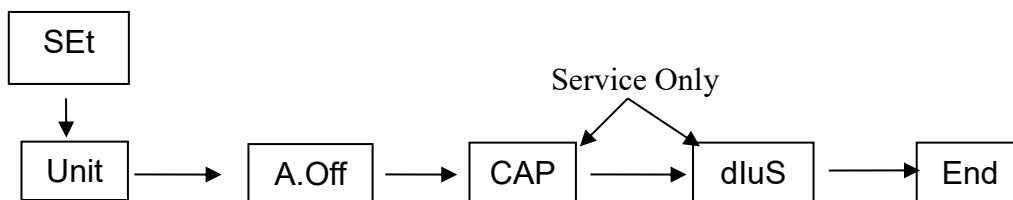
Weighing Units enabled
Time delay before the scale automatically turns off.
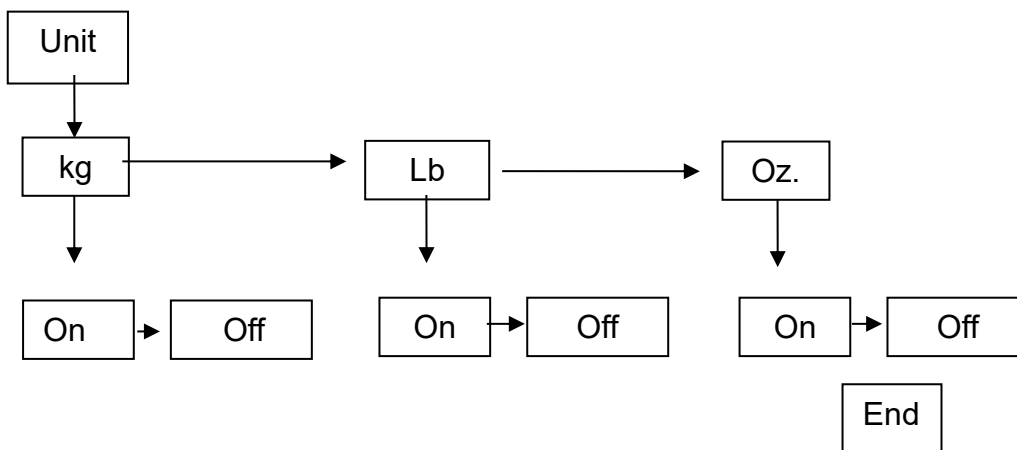
Weighing Units Enabled.

Press and hold the **TARE** key for 3 seconds until the display shows "Set" then the first menu option "Unit"

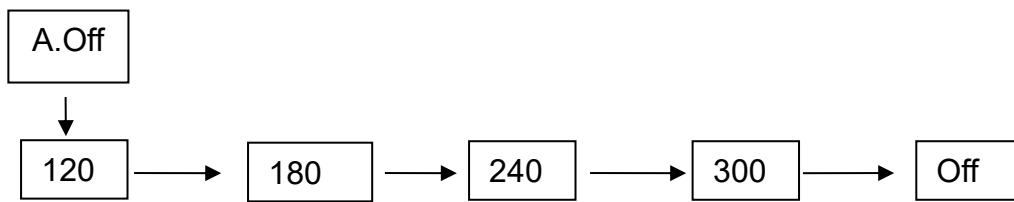Press the **Unit** key to cycle through the options.

At each option press the **Net / Gross** key to enter the functions and then press the **Unit** key to see the options, pressing the **Net / Gross** key again to return to the functions menu.

Each weighing unit can be enabled or disabled.

The Automatic Turn-off time can be set or disabled (off)

```
┌────────┐
│ A.Off  │
└───┬────┘
    ↓
┌───────┐   ┌───────┐   ┌───────┐   ┌───────┐   ┌───────┐
│  120  │ → │  180  │ → │  240  │ → │  300  │ → │  Off  │
└───────┘   └───────┘   └───────┘   └───────┘   └───────┘
```

Seconds delay until turn off

The other functions do not apply to the users. Advance to [End] in order to exit the menu.

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CE

Manufacturer's Declaration of Conformity

This product has been manufactured in accordance with the harmonized European standards, following the provisions of the below stated directives:

Electro Magnetic Compatibility Directive 2014/30/EU

Low Voltage Directive 2014/35/EU

Marsden Weighing Machine Group Ltd.

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Accuracy Assured

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IN-1333 80001D REV11/2017
IN-8679 80001D REV11/2017