

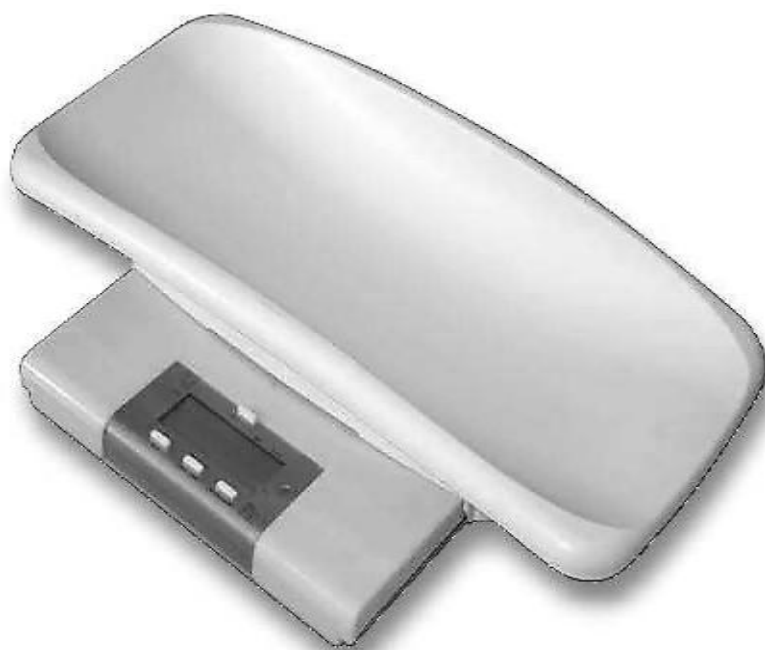


The Weighing Company

MS-4200

MS-4201/MS-4202L/MS-4203

Baby/Baby&Teenager/Adult



Operation Manual

INTRODUCTION

Thank you for purchasing a Marsden Professional Medical Scale. This is a precision Class III Weighing Instrument and it will reward considerate use with many years of accurate weighing results

The MS-4100 and MS-4101 come complete with a plastic baby tray, plastic cover, Aluminium base, and a large easy to read LCD display, the model MS-4102 is intended for Adults only and no baby tray is supplied

User Keys – The MS-4100 has 3 function keys consisting of ON/ZERO/OFF, HOLD and TARE

The MS-4101 and MS-4102 have 4 function keys consisting of 2 x ON/ZERO/OFF, HOLD and TARE

USING THE SCALE

The scale is suitable for able body users only. The user should step directly on to the centre of the scale to ensure safe use.

POWER SUPPLY & LOW BATTERY

1. The MS-4100, MS-4101 and MS-4102 scales can be run from six 'AA' alkaline batteries or can be connected directly to the mains power supply using the included mains power adaptor
2. **LoBAt** (Low battery indication) will display on the scales LCD display when the battery power is insufficient to power the scale
3. When **LoBAt** is displayed, please replace the 6 alkaline batteries

SPECIFICATIONS

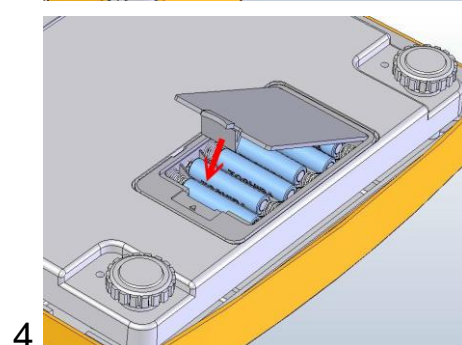
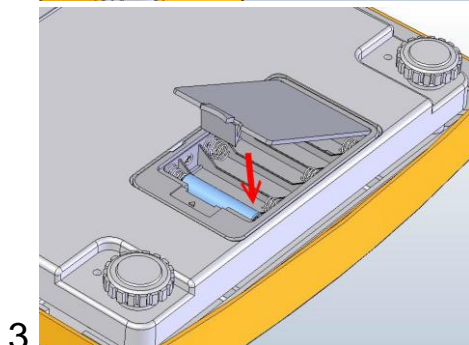
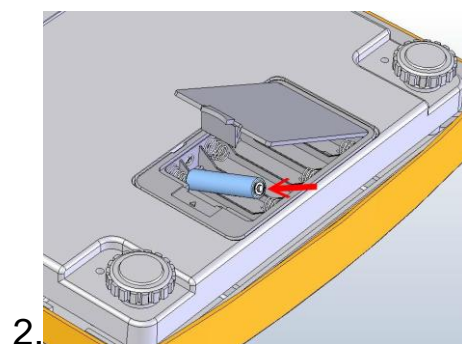
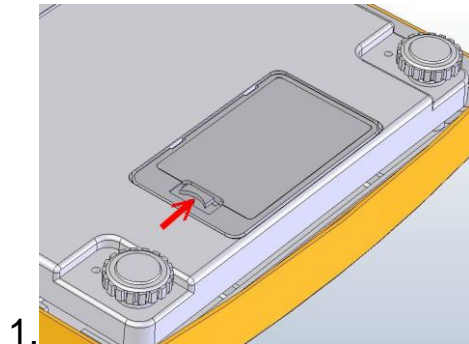
MODEL No	MS-4200	MS-4201	MS-4202L/4203
Capacity/Division	20 kg x 10 g	0~20kg x 10g 20~50kg x 20g	0~150kg x 50g 150~200 x 100G
Baby Tray	Yes	Yes	No
Units of Measure	Kg		
Function keys	ON/ZERO/OFF, HOLD, TARE		
Stabilisation Time	1-2 seconds		
Operating Temp.	0°C - 40°C		
Power supply	Six AA size alkaline batteries or Mains Adaptor		
Indicator display	1.0" LCD display with 5 active digits		

Dimensions (w x d x h)	Base: 340 x 330 x 50 mm Baby Tray: 585 x 280 x 120mm
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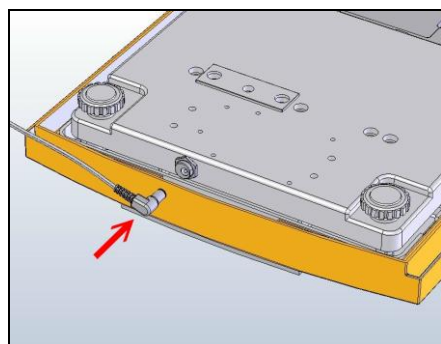
POWER SUPPLY

The scales use six "AA" size Alkaline batteries for operating. The battery is contained in a cavity inside the scale. Access is via a removable cover on the rear of the scale, as shown below.

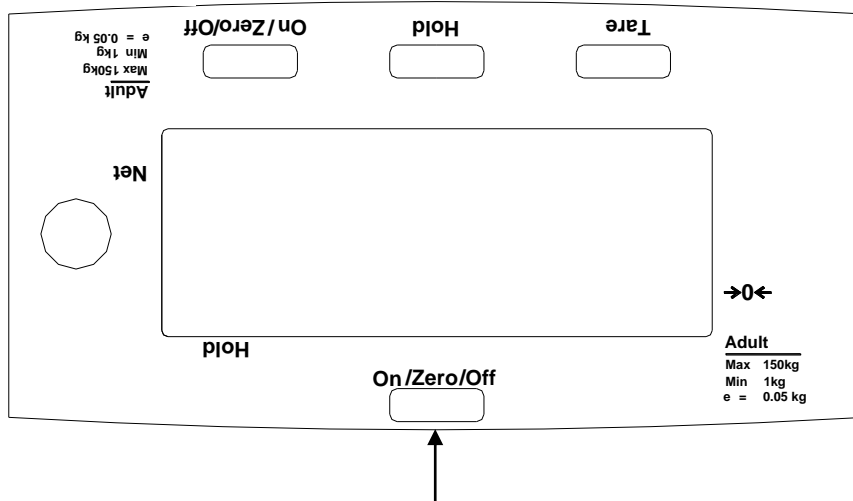
INSTALLING THE BATTERY



CONNECTING THE MAINS POWER SUPPLY



FUNCTION KEYS



MS-4101 and MS-4102 Only

ON/ZERO/OFF

1. Press this key to power up the scale, the display will go to 0.00kg
2. MS-4101/MS4102 Pressing the Single ON/OFF/ZERO key on the opposite side of the display will cause the scales display to reverse, therefore the display can be set to be viewed by the patient or the operator
3. If the scale shows a figure other than 0.00kg with no weight applied then press the ON/ZERO/OFF key once to Zero the display.
4. Press and Hold the ON/ZERO/OFF key to switch off the scale.

Note: The scale has a built in Battery save function that will switch off the scale after a period of inactivity, usually around 5 minutes

HOLD

1. When weighing a patient press the Hold key once and the scale will 'lock' onto the patients weight once a stable reading as been taken.
2. Press the Hold key again to release the display.

TARE

1. The Tare key can be used to Zero the weight of any unwanted item, example – When weighing a baby it is normal for some paper towels or similar to be placed

onto the scale, press the Tare key once and the weight of the paper towels will be zeroed off.

2. After weighing the baby, remove the paper towels and press Tare again to cancel the tare value and return to Zero.

BMI

1. After the patient stands on the scale, press and hold the BMI key for 3 seconds.
2. The scale will enter Height entry mode.
3. Use the +/- keys to adjust the display to the patients height in centimeters.
4. Press the BMI key once and the patients BMI result will be shown on the display.
5. Press the BMI key once again to return to normal weighing mode.

ERROR MESSAGES

1. Low Battery

The scales alkaline AA type batteries are flat.

Replace the batteries with new ones

The image shows a digital display with the text 'LowBat' in a stylized, segmented font.

2. Over Load

This indicates that the scales load sensor/s have been overloaded, re-calibration may fix this problem but it usually indicates a faulty load sensor

The image shows a digital display with the text 'Err' in a stylized, segmented font.

3. High/Low Zero Count

- 1) The scale is above its Zero Range, remove any weight on the scales and try to power on again. If the scale still shows the error message then it indicates a fault with the scales electronics.

The image shows a digital display with the text '00000' in a stylized, segmented font.

- 2) The scale is below its Zero range, check there is nothing jammed underneath the scale and try to power on again, if the scale still shows the error then it indicates a fault with the scales electronics

The image shows a digital display with the text '00000' in a stylized, segmented font.



MARSDEN

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