

MARSDEN

OPERATIONS MANUAL

M-220

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



Product Specifications

Model No	M-220
Capacity/Division	0kg – 125kg x 0.2kg 125kg – 250kg x 0.5kg
Units of Measure	Kg
Function keys	ON/ZERO/OFF, HOLD, TARE
Stabilisation Time	1-2 seconds
Operating Temp.	5°C - 35°C
Power supply	9V alkaline battery or Mains Adaptor
Indicator display	1.2" LCD display with 5 active digits
Dimensions (w x d x h)	Base: 310 x 310 x 83 mm Indicator: 190 x 142 x 50 mm

Maintenance and General Care

- Repairs and Servicing should only be carried out by authorised service agents.
- There are no user serviceable parts in the weighing scale itself.
- There are no user serviceable parts inside the mains adaptor.
- We would recommend using alcohol based wipes or similar when cleaning the scales.
- Please do not use large amounts of water when cleaning the scales as this will cause damage to the scales electronics, you should also refrain from using corrosive liquids or high pressure washers.
- Always disconnect the scales from the mains power supply before cleaning.

Function Keys



ON / ZERO / OFF

1. Press this key to power up the scale; the display will go to 0.0kg
2. If the scale shows a figure other than 0.0kg with no weight applied, then press the ON / ZERO / OFF key once to zero the display.
3. 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 3 minutes.

TARE

1. Tare function: put the empty container on the scale and the display will show the weight of the empty container. Press the TARE key and the display will show zero, then put the object into the container and the display will only show the weight of the object.
2. Tare Range: 100% capacity

HOLD

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

Power Supply and Low Battery

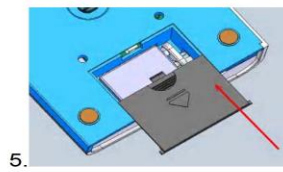
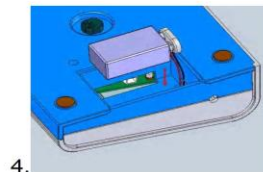
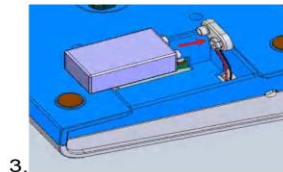
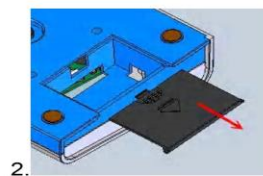
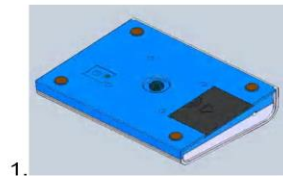
The MDC-250 and MC-250 scales can be run from one 9V alkaline battery, or can be connected directly to the mains power supply using the included mains power adaptor.

Low battery indication will display on the scales LCD display when the battery power is insufficient to power the scales. When low battery is displayed, please replace the 9V alkaline battery.

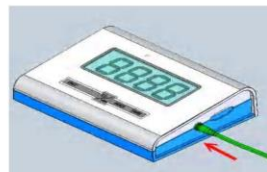
POWER SUPPLY

The scales use 9V size alkaline battery for operating.

INSTALLING THE BATTERY



CONNECTING THE MAINS POWER SUPPLY



Error Messages

1. Low Battery

The scales 9V alkaline battery is flat. Please replace the battery.



2. Over Load

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



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.



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





RoHS Compliance

EU Directive 2011/65/EU restrict the use of the 6 substances below in the manufacture of specified types of electrical equipment.

- The product does not contain any of the restricted substances in concentrations and applications banned by the directive;
- and for components, the product is capable of being worked on at higher temperatures required by lead-free soldering.

The restricted substances and maximum allowed concentrations in the homogenous material are, by weight:

Substance	Concentration
Lead	0.1%
Mercury	0.1%
PBB (Polybrominated Biphenyls)	0.1%
PBDE (Polybrominated Diphenyl Ethers)	0.1%
Hexavalant Chromium	0.1%
Cadmium	0.01%

PRODUCT CONFORMITY

Harmonised Standards to Which Conformity is Declared –

EN60601-1-2 / EN60601-1

2009/23/EC – Non Automatic Weighing Instrument Directive

C E0120

MARSDEN

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