



# Marsden MPMS-300 Digital Portable Scale Instruction Manual

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OPERATION MANUAL  
MPMS-300/500



**PLEASE TAKE THE TIME TO READ THESE INSTRUCTIONS BEFORE  
STARTING TO USE THE SCALES**

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## PRODUCT SPECIFICATION

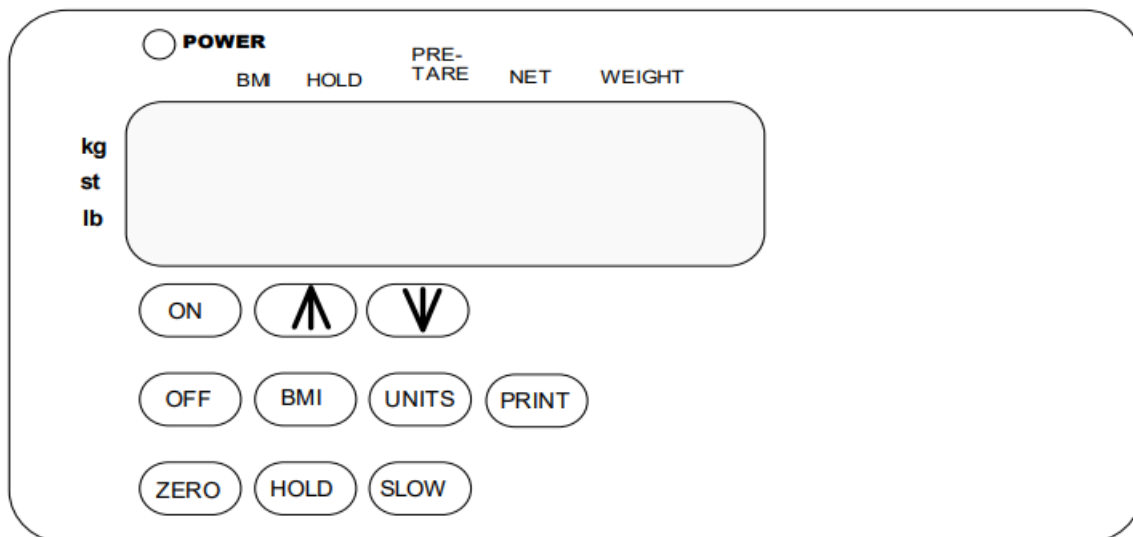
MODEL	MPMS-300/500
ACCURACY CLASS	CLASS III
CAPACITY	300/500kg
INCREMENT	100/200g
BATTERY TYPE	7.2V 1200mah
MAINS ADAPTOR	12V 300ma
UNIT WEIGHT	8kg

## MAINTENANCE AND GENERAL CARE

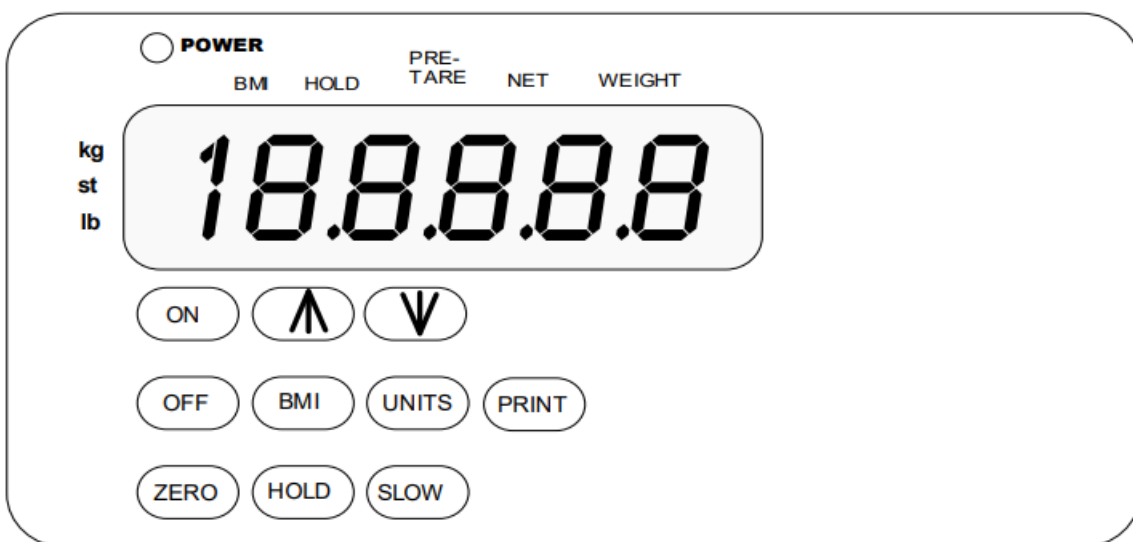
- Repairs and Servicing should only be carried out by authorised service agents.
- There are no user serviceable parts in the weighing scale itself.
- The mains power adaptor contains 2 fuses, 1 internal that is not accessible and 1 external user replaceable fuse. The fuse value is T400mA and no other fuse value should be used.
- When the adaptor is plugged in to the mains supply a Green LED should illuminate to indicate that the adaptor is functioning correctly. If the LED does not illuminate then the external fuse should be checked by competent personnel.
- There are no other user serviceable parts inside the mains adaptor.
- The weight indicator contains an internal rechargeable battery pack; this should only be replaced by authorised service agents. Under normal operating conditions the batteries should last for several years.
- 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.

## BASIC FUNCTIONS

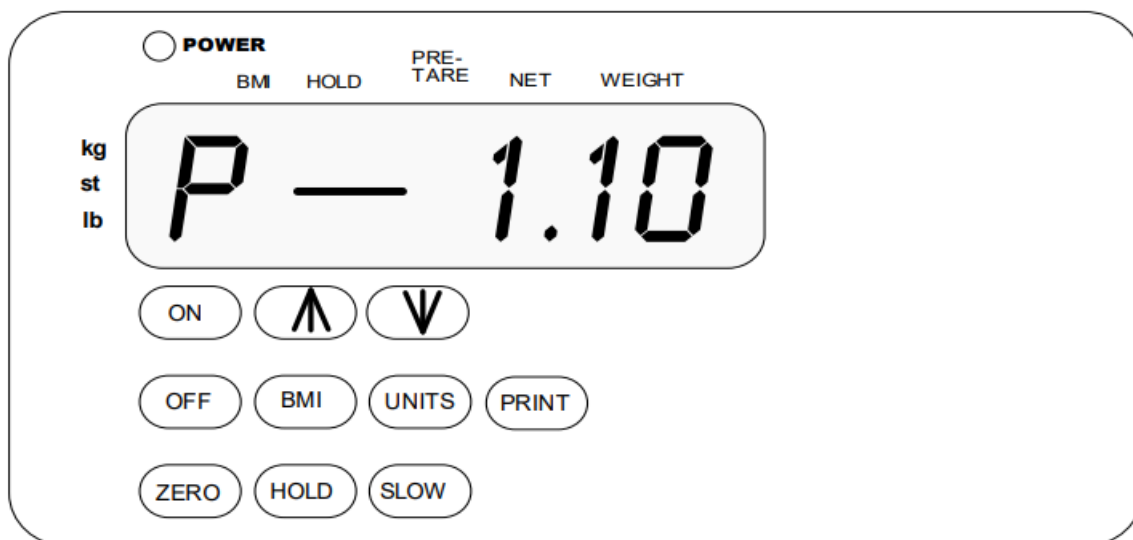
### 1.1 – SWITCHING ON THE SCALE



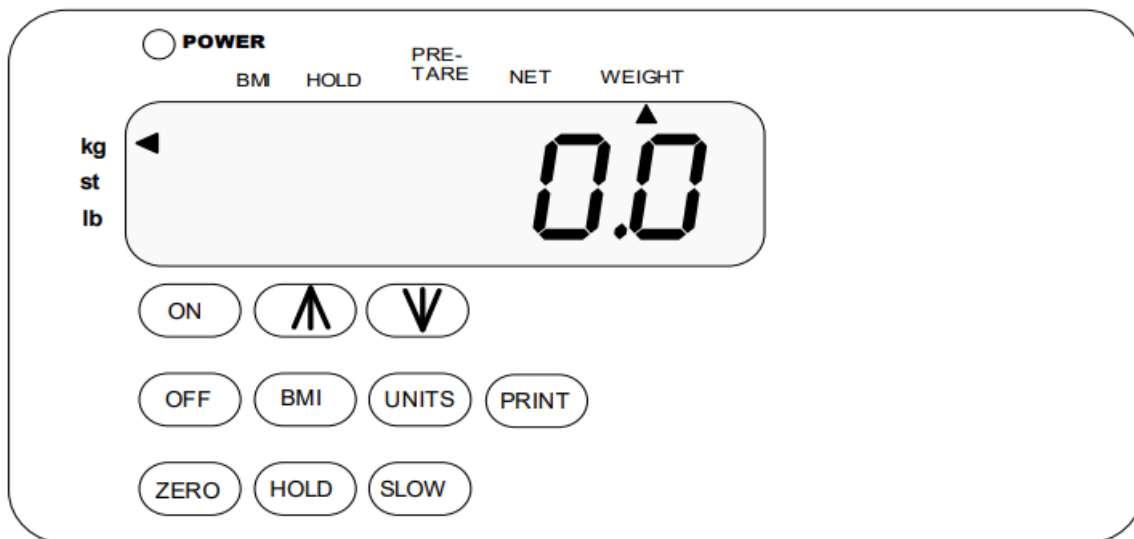
PRESS THE ON BUTTON FIRMLY



THE SCALE WILL FIRST TEST ALL OF THE DISPLAY SEGMENTS

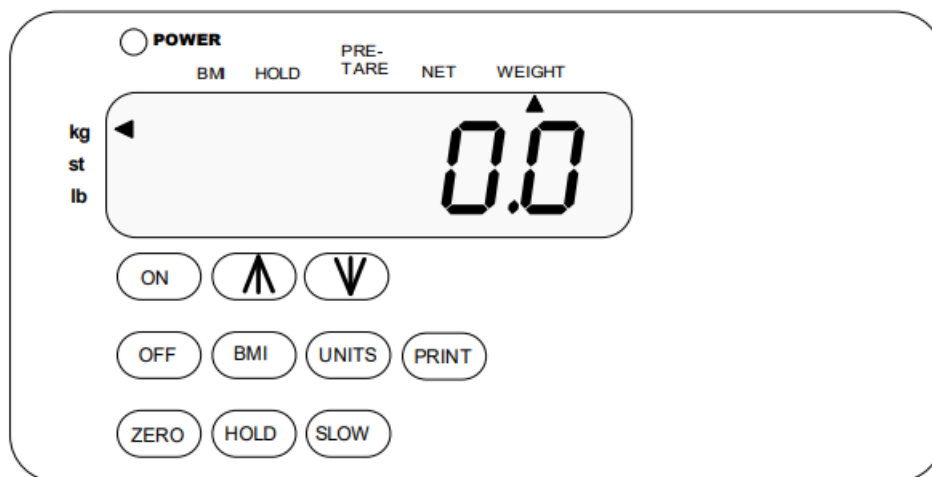


THE SCALE WILL NOW SHOW IT'S CURRENT SOFTWARE VERSION No

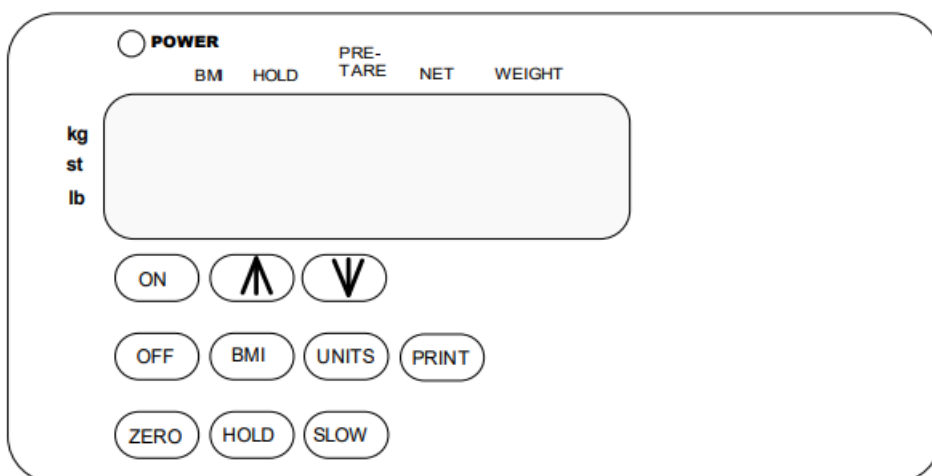


THE SCALE WILL NOW GO INTO WEIGHING MODE AND SHOULD SHOW 0.0kg ON THE DISPLAY

## 1.2 – SWITCHING OFF THE SCALE

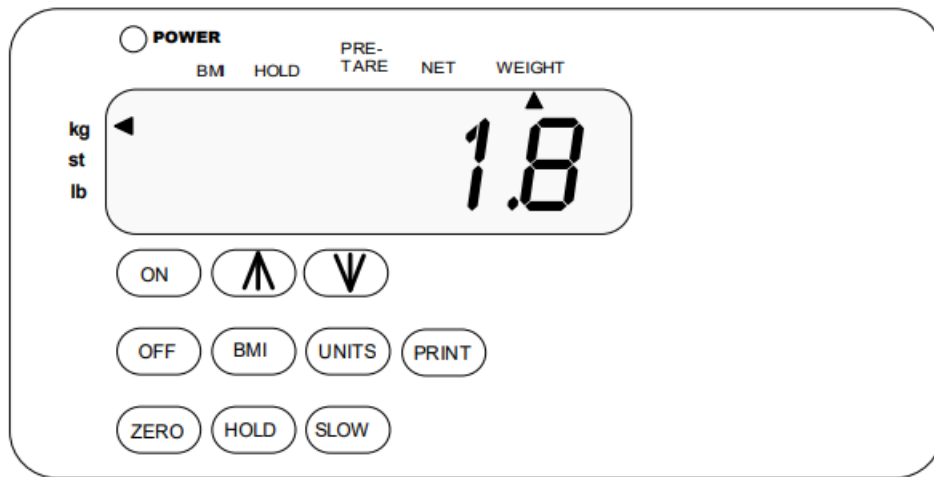


PRESS THE OFF BUTTON

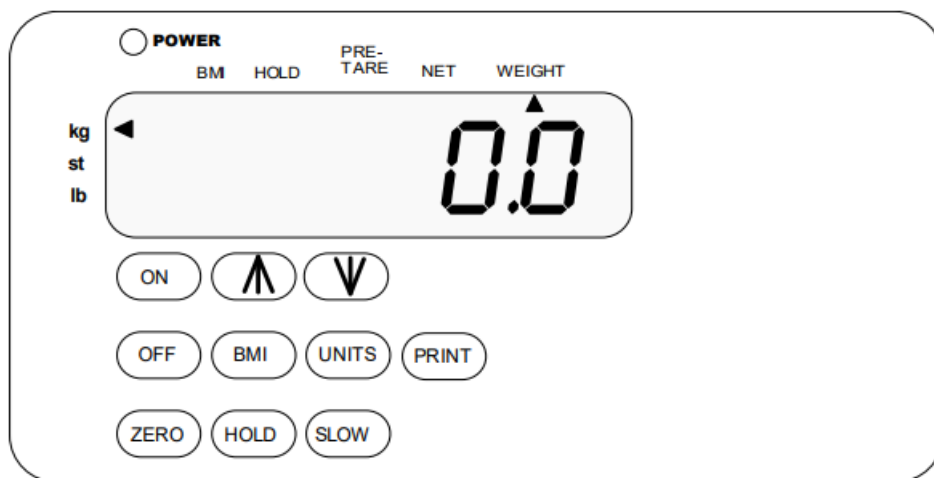


THE SCALE WILL POWER DOWN

## 1.3 – SETTING THE SCALE TO ZERO

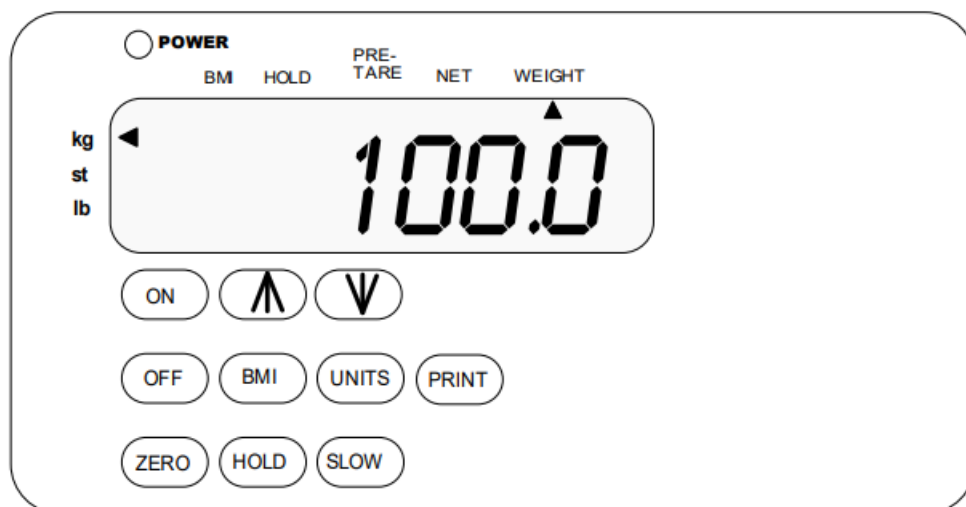


IF FOR SOME REASON THE SCALE SHOWS A READING OTHER THAN 0.0kg THEN IT CAN BE RESET TO ZERO (10% OF CAPACITY)  
PRESS THE ZERO KEY ONCE

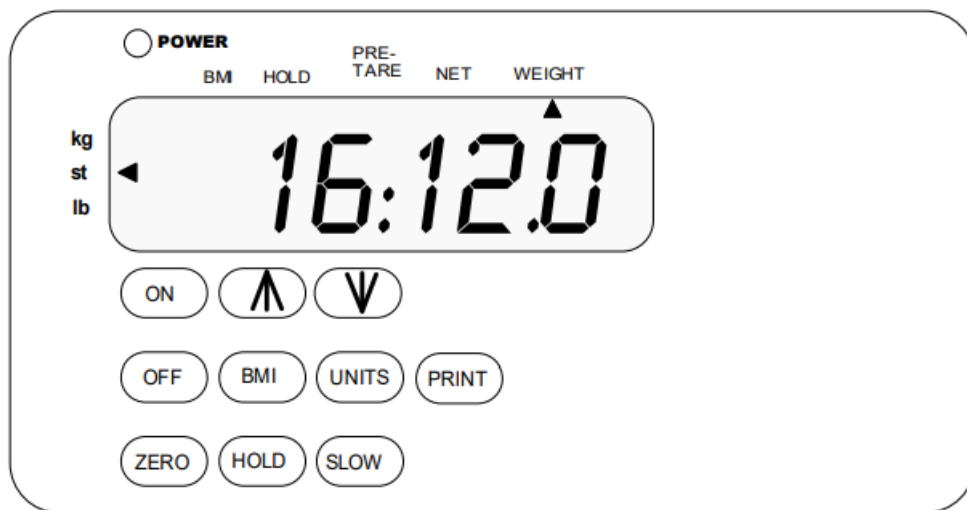


THE SCALE WILL RETURN TO 0.0kg

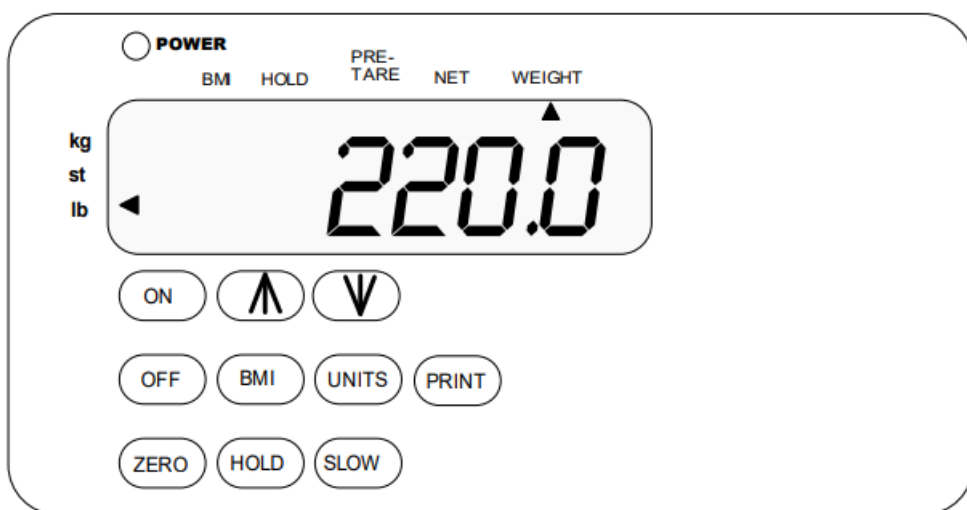
#### 1.4 – UNIT SWITCHING



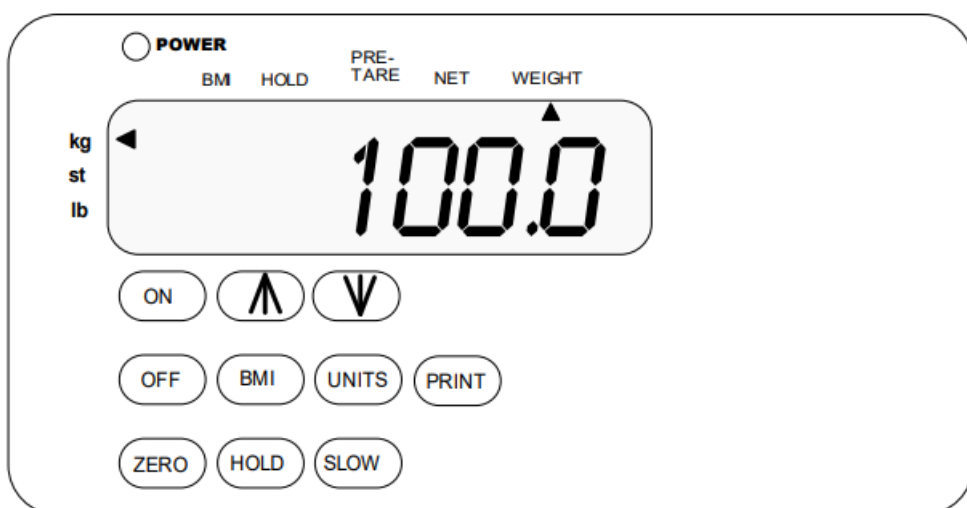
THE DEFAULT SETTING IS KG  
PRESS THE UNIT KEY ONCE



THE SCALE SWITCHES TO STONES  
PRESS THE UNIT KEY ONCE



THE SCALE SWITCHES TO POUNDS  
PRESS THE UNIT KEY ONCE

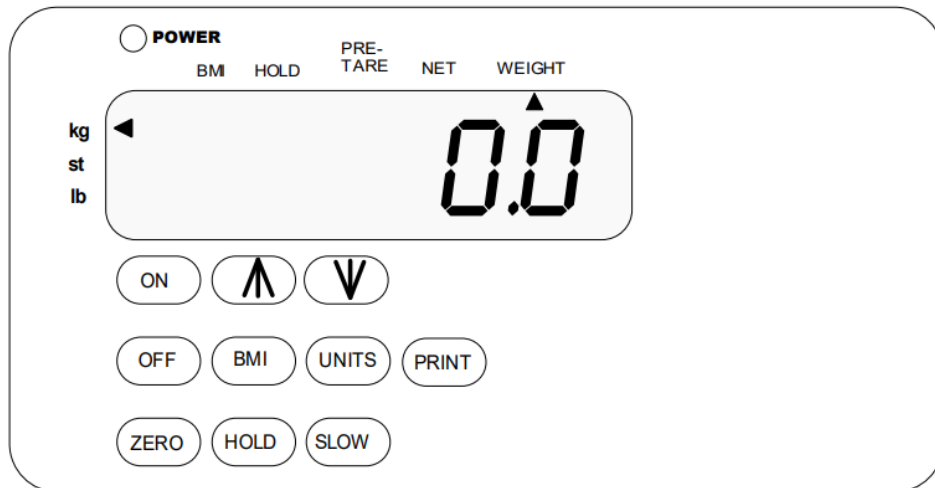


THE SCALE NOW RETURNS TO KG

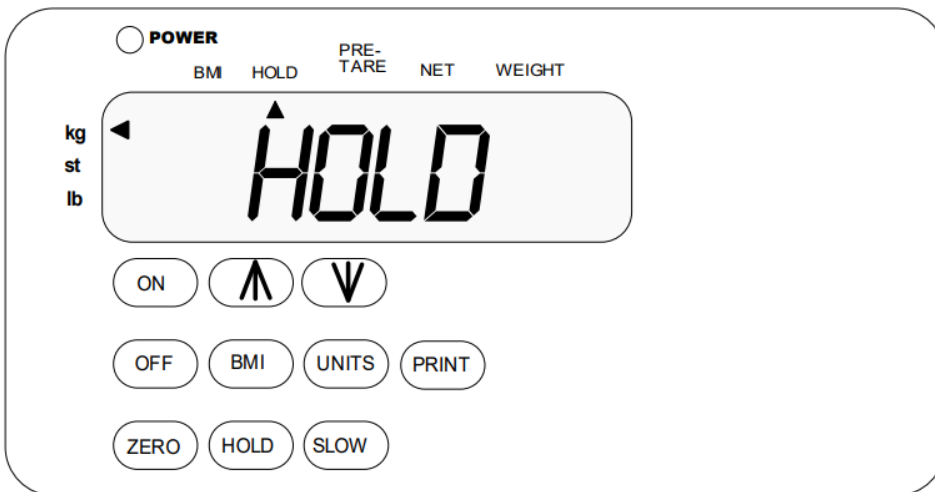
**NOTE:** UNIT SWITCHING IS NOT ALWAYS AVAILABLE, WEIGHING IN STONES AND POUNDS FOR THE PURPOSES OF MONITORING, TREATMENT OR DIAGNOSES OF PATIENTS WAS MADE ILLEGAL ON THE 1ST JANUARY 2003. IF YOUR SCALE HAS THE GREEN M STICKER THEN ONLY KG WILL BE AVAILABLE

## ADVANCED FUNCTIONS

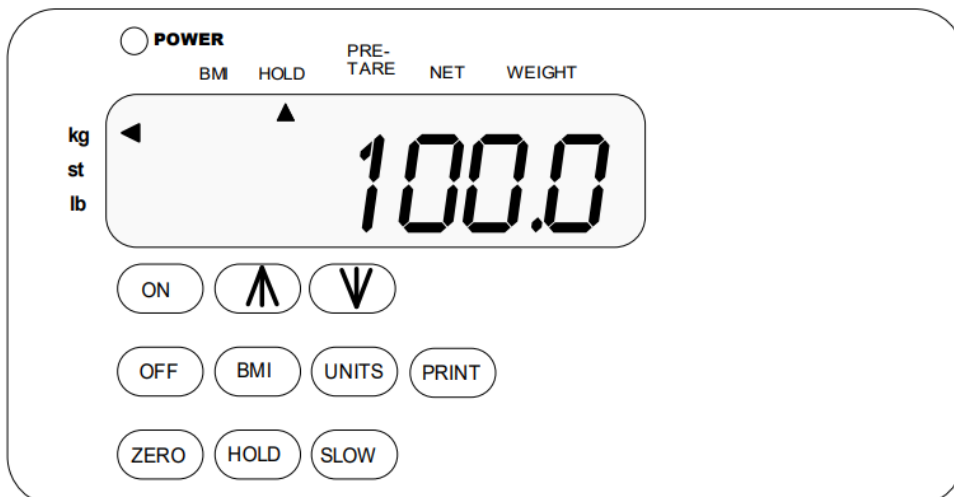
## 2.1 – HOLD FUNCTION



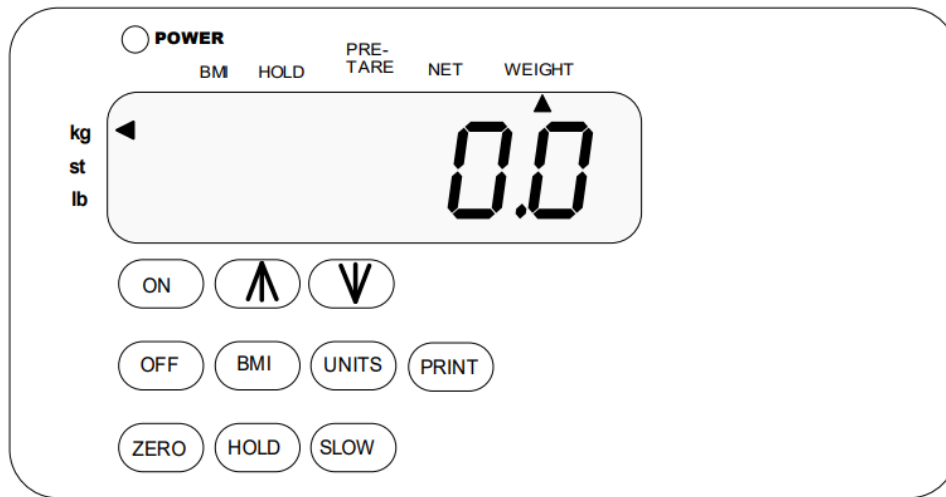
PRESS THE HOLD BUTTON ONCE



THE PERSON SHOULD NOW GET ON TO THE SCALES

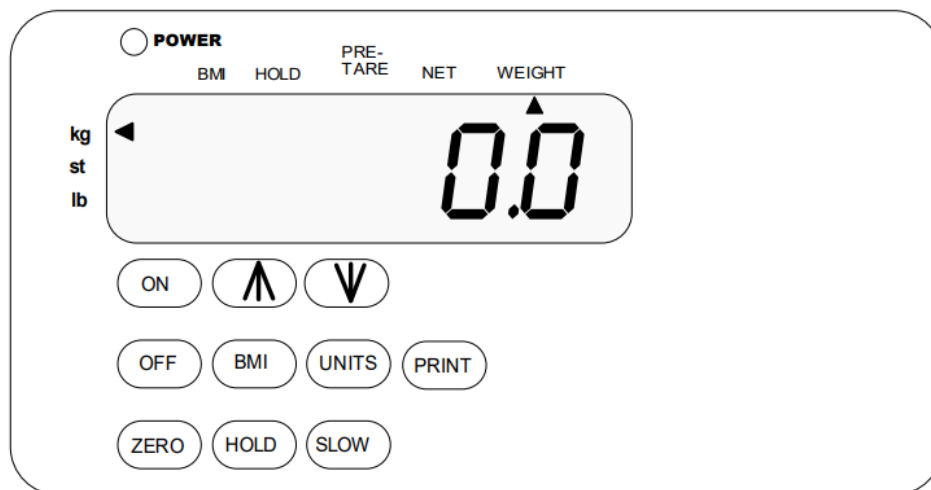


AFTER A FEW SECONDS THE SCALE WILL LOCK ON THE PERSONS WEIGHT, THE PERSON CAN NOW STAND OFF THE SCALE AND THE WEIGHT WILL REMAIN



PRESS HOLD AGAIN TO UNLOCK THE WEIGHT AND RETURN TO 0.0kg

## 2.2 – SLOW FUNCTION



AT 0.0kg PRESS THE SLOW BUTTON

PRESS THE SLOW BUTTON A SECOND TIME TO DISABLE THE FUNCTION

THIS FUNCTION IS SIMILAR TO THE HOLD FUNCTION BUT INSTEAD OF HOLDING THE WEIGHT THE WEIGHT DISPLAY IS SLOWED DOWN CONSIDERABLY

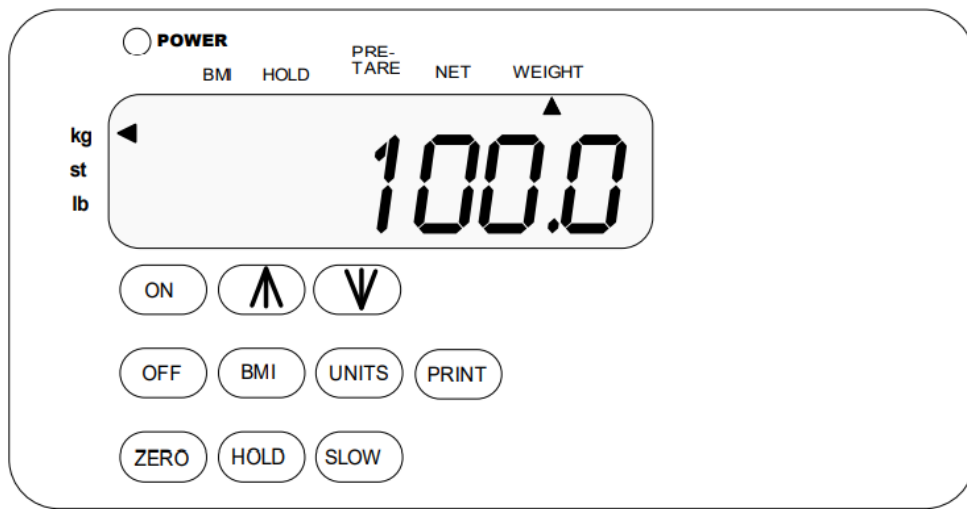
FUNCTION CAN BE VERY USEFUL WHEN WEIGHING DISABLED PATIENTS, CHILDREN OR BABIES

## 2.3 – BMI (BODY MASS INDEX) FUNCTION

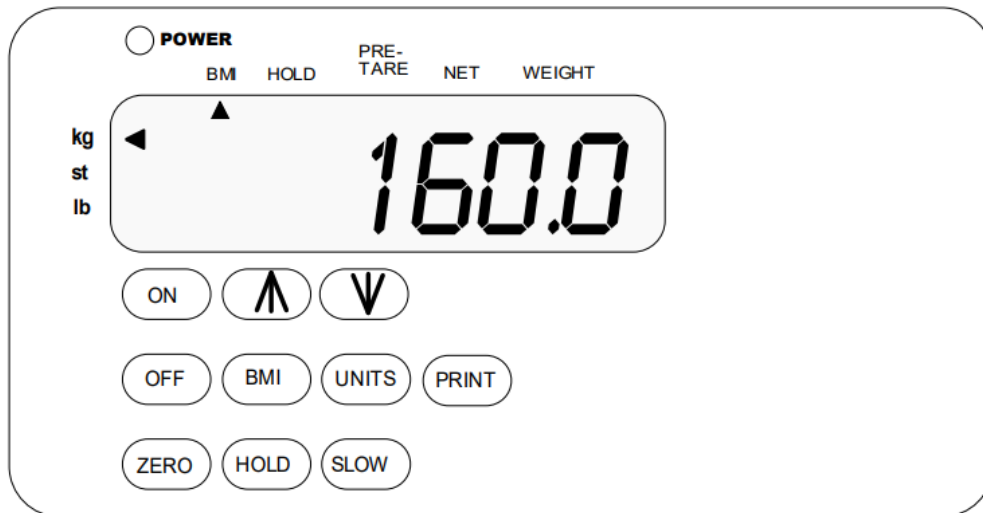
FOR THIS EXAMPLE WE WILL ASSUME WE HAVE A PERSON WEIGHING 100kg AND 180.0cm TALL

PLACE THE PERSON ON THE SCALE

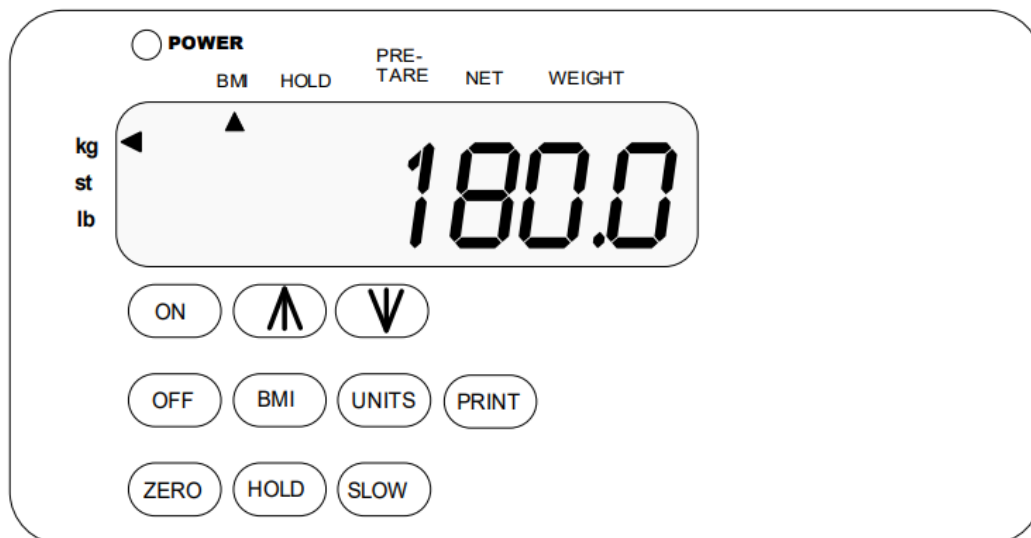




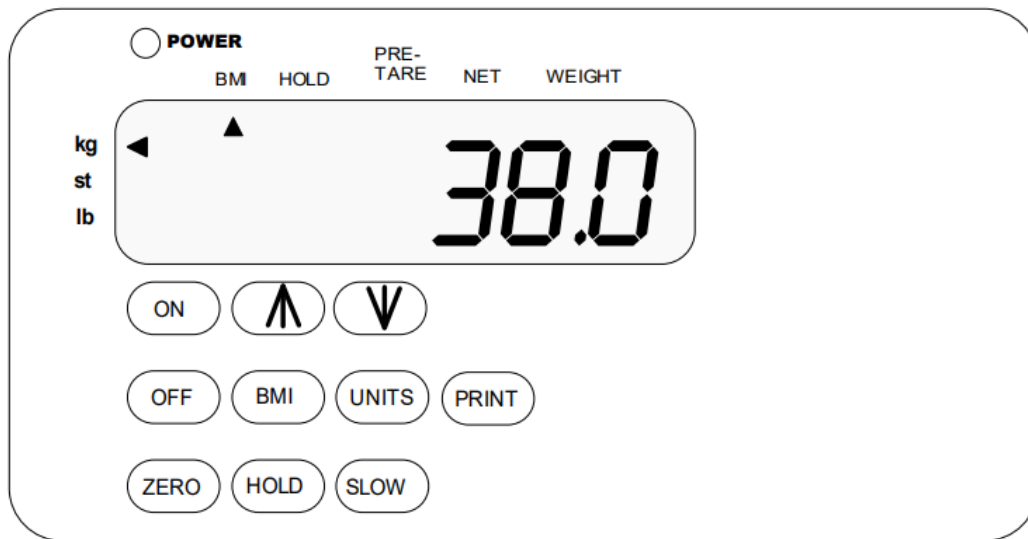
PRESS THE BMI BUTTON ONCE



THE SCALE WILL NOW GO INTO HEIGHT ENTRY MODE AND THE FIRST DIGIT WILL FLASH – THE PERSON BEING WEIGHED CAN STEP OFF THE SCALE AT THIS POINT  
THE ARROW KEYS WILL ADJUST THE FLASHING FIGURE UP OR DOWN AND THE BMI KEY WILL MOVE TO THE NEXT DIGIT



USING THE UP/DOWN ARROWS AND THE BMI BUTTON SET THE HEIGHT IN CM TO 180.0 AS SHOWN ON THE LEFT  
WHEN FINISHED PRESS THE UNIT BUTTON AND THE PERSONS BMI FIGURE WILL BE SHOWN ON THE DISPLAY AS BELOW

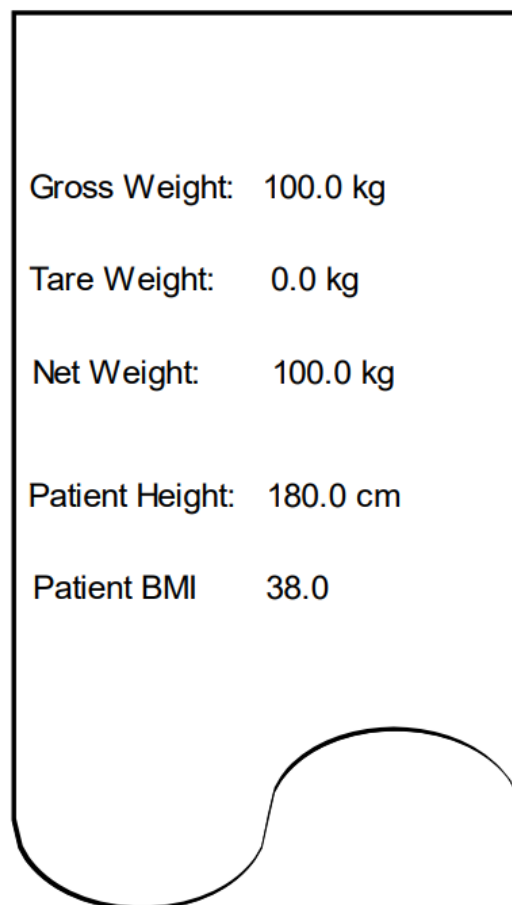


PRESS THE BMI BUTTON ONCE TO RETURN  
TO NORMAL WEIGHING MODE

#### 2.4 PRINT FUNCTION

AN OPTIONAL EXTERNAL PRINTER IS AVAILABLE FOR ALL MODELS, WHEN FITTED THE PATIENTS  
WEIGHT, HEIGHT, AND BMI RESULT CAN BE PRINTED ON TO A PAPER ROLL.

ONCE THE PERSON HAS BEEN WEIGHED AND THERE BMI CALCULATED, SIMPLY PRESS THE PRINT KEY  
TO PRODUCE THE FOLLOWING TICKET





## ROHS COMPLIANCE

EU Directive 2002/95/EC restricts 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	0.10%
Mercury	0.10%
PBB (Polybrominated Biphenyls)	0.10%
PBDE (Polybrominated Diphenyl Ethers)	0.10%
Hexavalant Chromium	0.10%
Cadmium	0.01%

## PRODUCT CONFORMITY

Harmonised Standards to Which Conformity is Declared –

EN60601-1-2 / EN60950 / EN55022 / EN50082-1

89/336/EEC – Electromagnetic Compatibility Directive

73/23/EEC – Low Voltage Directive

93/42/EEC – Medical Devices Directive

90/384/EEC – Non Automatic Weighing Instrument Directive



## ERROR MESSAGES


LO	The internal battery is low on charge, charge the scale
ERRL	Indicates that the signal from the load cell/s is too low *1
ERR	Indicates that the signal from the load cell/s is too high *1
ERRP	Indicates that there is a fault with the scales software *
000000 At top of LCD Display	Indicates that the signal from the load cell/s is above the Zero Range *2
At bottom of LCD Display 000000	Indicates that the signal from the load cell/s is below the Zero Range *2

\*1 – These errors are normally caused by a serious fault on the scales such as a faulty load cell or wiring. You should contact our Service Department.

\*2 – These errors are usually less serious and can be rectified by recalibration, however they can indicate an underlying problem with the scales. Zero Range is set to 10% of Scale Capacity E.g. Capacity 200.0kg = Zero Range +/-20.0kg



## Documents / Resources

 <p>OPERATION MANUAL MPMS-300/500</p>	<a href="#">MARSDEN Marsden MPMS-300 Digital Portable Scale</a> [pdf] Instruction Manual MPMS-300-500
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