



MARSDEN
ACCURACY ASSURED

OPERATIONS MANUAL

M-300

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





Contents

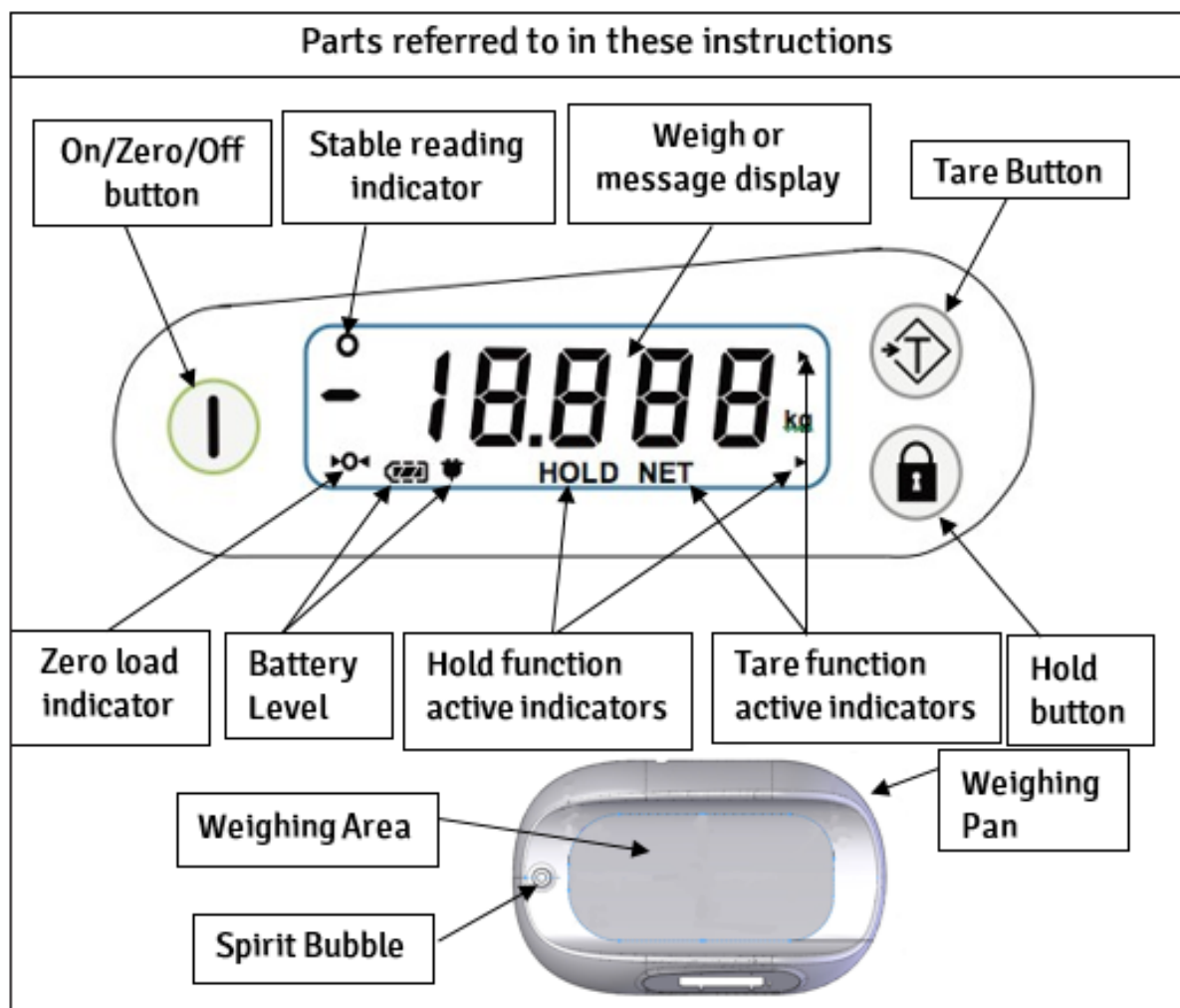
Introduction.....	3
Parts referred to in these instructions.....	3
Scale Description.....	4
Intended Use.....	4
Do's and Don't's.....	4
Quick Start.....	5
Tare Function.....	5
Hold Function.....	6
Power Supply.....	6
Automatic Power Down.....	7
Troubleshooting.....	7
Cleaning.....	8
Declaration of Conformity.....	9
Contact Details.....	9

Introduction





Thank you for purchasing a Marsden Professional Baby Scale. This is a precision Class III Weighing Instrument and considerate use will result in many years of accurate weighing.

The scale has a maximum load capacity of 15kg which must not be exceeded.

Marsden's policy is one of continuous development and therefore reserves the right to change specification without notice.



Scale Description

Capacity:	15kg
Division:	0kg ~ 6kg x 2g 6kg ~15kg x 5g
Power Supply:	Marsden mains adaptor (output: 12V, 300mA) Or 2 x 1.5V AA alkaline batteries (operation time over 300 hours + 1 year standby)
Operation temp:	5°C ~ 30°C
Storage temp:	-5°C ~ 50°C
Function keys: (see Fig 1)	 On/Zero/Off  Tare  Hold
Auto-Off function:	Adjustable from Off ~ 5 min
Stabilisation time:	1 ~ 2 seconds
Scale weight:	3.3kg
Dimensions:	590 mm x 370 mm x 135 mm
Approval:	 Class III to EN45501

Intended Use

The scale is designed to accurately measure the weight of your baby placed in the weighing area.

Repairs and servicing should only be performed by an authorised service agent. There are no user serviceable parts in the scale, apart from battery replacement.

If the tamper-proof seal(s) (found on the underside of the scale) is/are broken or damaged, then the calibration of the scale is not guaranteed and the scale must not be used until it has been re-calibrated (and sealed) by an authorised service agent.


Quick Start

Place the Baby Scale on a firm, level surface. Adjust the feet of the Baby Scale (by rotating) so that the spirit bubble is in the centre of the circle and all four feet are touching the surface.



Ensure that there is nothing on the Baby Scale and nothing to obstruct the lower edge of the plastic weighing pan.




Press the hold  button for one second.

The Baby Scale turns on, displaying a segment check pattern then beeps and displays 

Place the baby on the scale. The scale beeps when the weight is displayed and is stable.

Once 'On', pressing  quickly will re-zero the scale. The display shows flashing  whilst setting the new zero, then 

Note: Pressing  quickly also turns off the tare and hold functions if they have been used. The Baby Scale should only be zeroed with no load present.

Pressing  for one second will turn the Baby Scale off.

Tare Function

If an extra item is to be weighed with the baby, but not included in the weight measurement, (eg. a towel) then:



Place the extra item on the Baby Scale and press 


The display shows flashing  whilst taring, then beeps and displays 

Note: The scale displays the 'NET' symbol and an arrow beside the Tare button


Place the baby on the scale - the scale beeps as the baby's weight is displayed.

Press  again, or turn the Baby Scale off, to cancel the tare function.


Hold Function

If the baby is moving too much for a stable measurement, press  to select the Hold function. The hold function may be selected before placing the baby on the scale.



The display shows flashing  until the baby is on the scale and a steady reading is acquired. The scale then beeps and displays the weight.

The scale also displays the HOLD symbol and an indicator beside the Hold button.

This measurement will be held on the display, even if the baby is removed. Pressing  again, or turning the Baby Scale off, will turn off the hold function.

Power Supply

Either

- Insert 2 alkaline AA batteries in the battery compartment, taking care to match + and -, (see Fig 2)
- Connect the mains adaptor lead to the Baby Scale and plug the mains adaptor to a mains supply, matching the mains voltage marked on the adaptor, (see Fig 3)








Fig 2.



Fig 3.



Battery Level

	0.000kg	Mains adaptor power
	0.000kg	Full battery
	0.000kg	Battery OK
	0.000kg	Low battery
	Lo Bat	Very low battery. Measurement disabled until batteries replaced.


Automatic Power Down

When being used with batteries, the Baby Scale will turn off automatically, to preserve battery power.

The automatic power down measures the time elapsed since the last button press or change in scale load. The automatic power down timeout can be adjusted from the front panel.


Press and hold  for 8 seconds, until the display shows 

When  is released, the display will show the current auto-off setting.

Repeatedly pressing  will step the display through the available options:

 →  →  →  → 


Note: These values are in seconds.

When the desired setting is displayed, press  to save the setting and to return to normal weighing mode.

There is no automatic power down when the Baby Scale is powered from a mains adaptor.

Troubleshooting

No Display:

- Try pressing  for at least 2 seconds;
- Or disconnect and reconnect the mains supply,
- Or replace the batteries ensuring the correct polarity

Display

- This may be caused by external vibrations, wind or air movement
- Try turning the scale off and on again, or move the scale to a different location.




- Load on scale when it is trying to zero
- Remove load from the Baby Scale
- Ensure firm and level surface and free movement



- Negative load on scale when trying to zero – possible obstruction
- Remove load from the Baby Scale
- Ensure firm and level surface and free movement.



- The load (including tare) is outside the weighing range.
- If the scale is successfully zeroed and the load is known to be within the weighing range, then contact your service agent.



- Replace batteries

If the advice above does not clear the fault, try turning the scales off and on again, or disconnect and reconnect the supply, or remove and re-fit batteries. If the fault is still present, contact your service agent.

Cleaning

For general cleaning of scale, wipe down with a damp cloth using warm water to which disinfectant/cleaner has been added.

For disinfection of a contaminated scale, use the preferred method of wiping the product completely with “hard surface disinfectant wipes” that are supplied with impregnated with a 70% v/v solution of Isopropyl Alcohol.

Do not use petroleum based solvents or similar since this may damage plastic parts.

Note: Do not over wet the product (e.g. wash under running tap) which could cause problems with electrical components or internal corrosion.

Note: If a hot air dryer is used to dry the scale, the temperature must not exceed 80°C.

Recycling Electrical Products



You can now recycle your waste electrical goods and in doing so help the environment.

This symbol means an electrical product is designed for recycling when finished with.

Declaration of Conformity

M-300 Baby Scale

The Directors and manufacturers of Marsden Group Limited of Unit 1, Genesis Business Park, Sheffield Road, Rotherham, S60 1DX herewith declare that the M-300 Baby Scale is manufactured in accordance with the following European Directives.

2009/23/EC – Non Automatic Weighing Instrument Directive

2011/65/EU – Restriction of Hazardous Substances in Electrical & Electronic Equipment

2004/108/EC – Electromagnetic Compatibility

EU Harmonized Standards Applied

UN45501, Class III

EN60601-1

EN60601-1-2

EN55022

ISO 13485:2003

ISO 9001:2008

EC TAC: UK2953

Type Approval Certificate No.


Quality Manager
(Flintec Group AB)

The M-300 Baby Scale has been certified by NMO which is Notified Body Nr. UK0126

Head Office: Sales, Service, Marketing & Accounts	Unit 1 Genesis Business Park Sheffield Road Rotherham S60 1DX
Telephone:	0845 130 7330
Fax:	0845 130 7440
Despatch, Production & Technical Support	Unit 7 Centurion Business Park Coggin Mill Way Rotherham S60 1FB
Telephone:	017093 64296
Fax:	017093 64293