

# MARSDEN

USER MANUAL

## I-100 Indicator

Please take time to read these instructions before starting to use this indicator



Version 1.0 06/17

# Contents

Product Specification	3
Safety Instructions	4
Before Using the Scale	5
Operation: Basic Functions	6
Operation: Advanced Functions	7
Error Messages	10

## Product Specification

Model	I-100
Units of Measure	Kg
Function Keys	COUNT, FUNC, ACCUM, TARE, ZERO, ON/OFF
Display	6 bits LCD, 6 state indicating symbols
Power Supply	Mains/rechargeable battery
Battery	DC6V/4AH
Operating Temperature	0~40°C <90% RH
Transporting Temperature	-20~50°C
Sample Rate	10 times/second
Load Cell Sensitivity	1.5~3mV/V
Scale Interval	1/2/5/10/20/50 option

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

Indicator images in this manual are for illustration purposes only.

# Safety Instructions

Before putting this scale into use, please read with care the information given in this user manual, which contains important instructions for proper installation, use and maintenance of the device.

Marsden/the manufacturer shall not be liable for damages arising from failure to heed the following instructions:

- When using electrical components under increased safety requirements, always comply with appropriate regulations.
- Inappropriate installation/use will render the warranty null and void.
- Ensure the voltage marked on the power supply unit matches your mains supply.
- This product is not waterproof. We do not recommend using the scale in humid, damp or wet environments.
- Observe the permissible ambient temperatures for use.
- The device meets the requirements for electromagnetic capability. Do not exceed the maximum values specified in the applicable standards.
- Do not place the indicator in direct sunlight.
- The indicator should be used in a dust-free and vibration-free environment.
- Cut off the power supply to the indicator before disconnecting the indicator to any external device.
- Turn off the power supply immediately if a problem occurs. Should it be damaged, contact Marsden or your dealer.
- Charge the battery prior to use. If the indicator is not used for a long time an eight hour charge is recommended every 2 months.

If you have any problems, contact Marsden/your local dealer/your service partner.

## Cleaning

- Please do not use corrosive liquids or large amounts of water to clean the scale.
- Always disconnect the scale from the mains power supply before cleaning.

## Maintenance

- The scale does not require any routine maintenance. However, we recommend checking the scale's accuracy at regular intervals. If any inaccuracies occur, please contact your local dealer or service partner.
- You can book an accuracy check with the Marsden Service team on 01709 364296.

## Before using the Indicator

- The I-100 indicator uses power from the DC6V/4AH rechargeable battery, or can be powered from the mains lead which is hard wired into the indicator.
- Once switched on, the scale is only ready to use once the display shows 0.000.

## Operation: Basic Functions

### Switching the Scale on/off

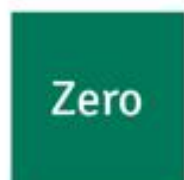


Press ON/OFF to power-on the scale.  
When the scale shows 0.000 it is ready for weighing.



To switch the scale off, press and hold ON/OFF for three seconds. The scale will now power down.

### Setting the Scale to Zero



If at any time the reading shows anything other than 0.000 when there is nothing on the scale, you can reset the display by pressing ZERO once.

# Operation: Advanced Functions

## Tare Function



Place the item you wish to deduct the weight of (such as a pallet or box) on the scale and press TARE.



The scale will show a minus reading.

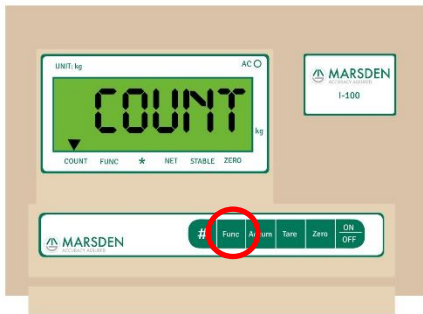


The indicator will then display the reading as zero.

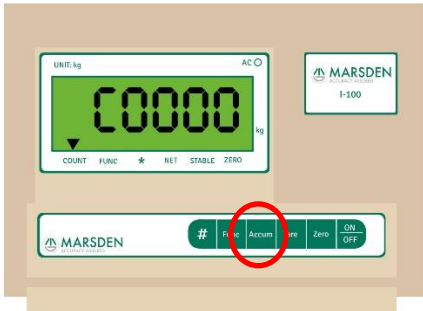


Weigh as normal and the negative weight reading will be deducted from the total weight.

## Counting Function



To count items on the scale, first place a sample quantity on the scale. Switch the indicator to count mode by pressing FUNC, holding the button until 'COUNT' is displayed



Press ACCUM. 'C00000' will display on the screen.



Use the TARE key to move right and ZERO to increase the sample size.



To confirm the amount, press ACCUM.



Press FUNC to return to weighing mode.



## Accumulation Function



You can use the scale to total up several loads. Add your first item to the scale and press ACCUM. Remove the item from the scale.



Add the next item to the scale and press ACCUM again.

To clear accumulated readings press FUNC.



If the accumulated weight needs to be checked, remove the load from the platform and press ACCUM to display the total weight.



Press ACCUM to return to normal weighing mode and the accumulate annunciator will switch off.

To clear accumulated readings at any time (whilst in Accumulation Mode) press FUNC.

## Error Messages

Display	Problem	Solution
ERR 1	The AD value is too small when calibrated.	Switch off the scale and restart. If the error occurs again, contact your dealer/Marsden.
ERR 2	The zero point is out of range when calibrated.	Please contact Marsden or your dealer.
ERR 3	The zero point is out of range when starting up the scale.	Check nothing is underneath the scale. If message still shows contact Marsden or your dealer.
ERR 4	The inputted sample number is zero when sampling in counting mode.	
ERR 5	The inputted weight is zero when in calibration mode.	Please contact Marsden or your dealer.
ERR 6	The unit weight is less than 0.25e when sampling in counting mode.	
bAt-lo	Low battery power.	Please charge the battery.





Accuracy Assured

Tel: 01709 364296 / 0800 169 2775

Fax: 01709 364293

E-mail: [sales@marsdengroup.co.uk](mailto:sales@marsdengroup.co.uk)

**Manufacturing and Distribution:**

Unit 7, Centurion Business Park,

Coggin Mill Way,

Rotherham,

S60 1FB

**Head Office:**

Unit 1, Genesis Business Park,

Sheffield Road,

Rotherham

S60 1DX

[www.marsden-weighing.co.uk](http://www.marsden-weighing.co.uk)