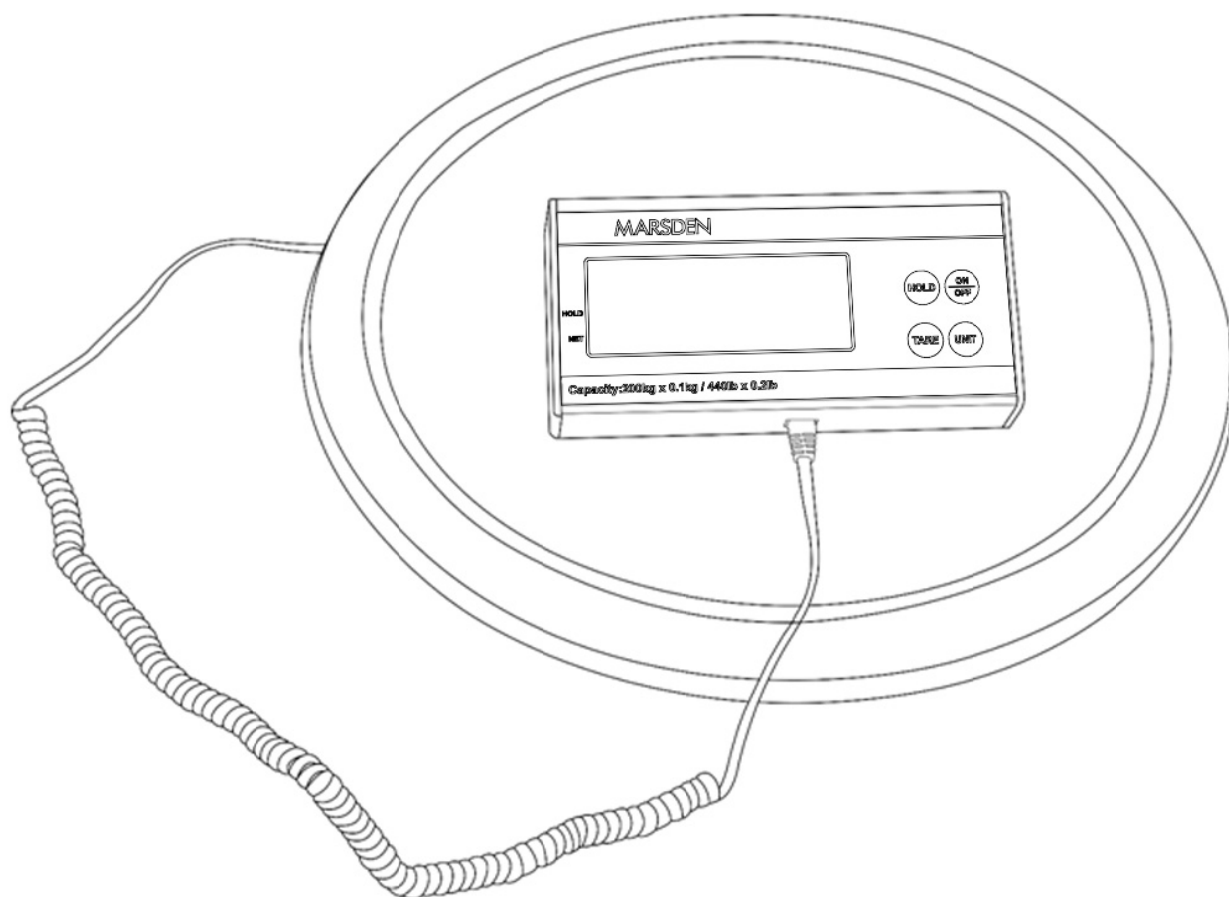


MARSDEN

USER MANUAL

K-100

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



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1. Introduction

1.1.Thank you

Thank you for purchasing this Marsden professional scale.

This professional, accurate, intuitive device embodies 90 years of weighing experience and ensures that you are able to weigh easily and effectively.

The K-100 is a precise weighing scale and considerate use will result in many years of accurate weighing.

The scale has a maximum load capacity of 200kg which must not be exceeded.

1.2.Intended Use

The Marsden K-100 Keg Scale is ideal for use in pubs and restaurants.

Pub landlords and managers may choose to use it for stock takes to accurately gauge how much inventory is left in a keg. It can also aid with end of tenancy sales when it comes to calculating how much the remaining stock is worth. In addition to that, it could also be invaluable for preparing for busy periods, such as bank holidays.

Please note that this scale is not Trade Approved, so cannot be used for selling kegs based on weight. It is also not suitable for liquid filling.

2. Product Specification

2.1. Specifications

Model	K-100
Scale Dimensions	406.4mm (w) x 35mm (h)
Indicator Dimensions	172mm (l) x 82mm (w) x 39.5mm (d)
Weight of Scale	2.7kg
Capacity	200kg
Graduations	100g
Power Supply Batteries Mains	4 x AA batteries Adaptor 15V 0.3A 2.1mm TIP + VE
Units of Measure	Kg / lb
Minimum load	2kg
Stabilization Time	1-2 Seconds
Operating Temperature	5°C to 35°C
Function Keys	ON/OFF, HOLD, TARE, UNIT
Indicator Display	2.5cm LCD display with 4 active digits

2.2. Warranty

This scale is covered by our 1 Year Warranty. The warranty is valid from the date of purchase for faults due to material or construction defects; faults under this warranty are repaired free of charge.

This excludes all moveable parts, such as batteries, cables, adaptors, etc.

It is the responsibility of the customer to return the product to our factory in Rotherham, UK. Claims covered under warranty will be carried out free of charge and Marsden will pay for the return transport costs.

3. Safety Information

3.1. Safety Instructions

Before putting the device 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.

Keep this user manual in a safe place.

Have the scale serviced regularly (see Maintenance).

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.
- When genuine Marsden accessories and spare parts are not used, the warranty will be rendered null and void.
- Likewise, inappropriate installation/use will also render the warranty null and void.
- Ensure the voltage marked on the power supply unit matches your mains supply.
- This device is designed for use indoors.
- Observe the permissible ambient temperatures for use.
- If the power pack is used, ensure that the power cable is not a tripping hazard. Similarly, ensure that the power cable cannot be crushed or come into contact with hot objects.

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

3.2. Safe use of batteries

Keep batteries out of reach of small children. Should a child swallow a battery, promptly seek medical assistance.

Batteries contain harmful substances, which may explode when mishandled. Keep batteries away from direct sunlight, high temperatures, and high humidity. Do not burn the batteries.

If acid is leaking out of the batteries, avoid contact with the skin, eyes and nose. Immediately rinse any infected area with plenty of clean water and seek medical advice.

If you are not going to use the scale for a long period of time, remove the batteries to prevent acid from leaking into the device.

3.3. Cleaning

We recommend using alcohol-based wipes or similar when cleaning the scale.

Please do not use corrosive liquids, large amounts of water or high-pressure washers.

Always disconnect the scale from the mains power supply before cleaning.

3.4. 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.






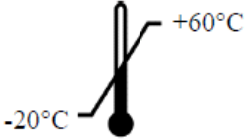

Marsden can provide service contracts in the UK and Republic of Ireland. Please call us on +44(0)1709 364296 for more details.

3.5. Disposing of the scale

This product should not be treated as regular household waste, but should be handed in to an electrical/electronic equipment recycling centre.

You can obtain further details from your local council, your municipal waste disposal company or from where you purchased the product.

3.6.Explanation of Graphic Symbols

<p>SN-21300100</p>	<p>Designation of the serial number of every device. (Number as an example).</p>
	<p>"Please note the accompanying documents" or "Observe operating instructions".</p>
	<p>Identification of manufacturer of medical product including address.</p>
	<p>"Electro-medical appliance" with attachment of type B.</p>
	<p>Dispose of old appliances separately from your household waste. This product must be disposed of at a communal collection point.</p>
	<p>Carefully read this operation manual before setup and commissioning, even if you are already familiar with Marsden scales.</p>
	<p>Transport and storage temperature limit indicating the upper and lower limit (transport and storage temperature on packaging).</p>
	<p>Device complies with EU standards and directives.</p>

4. Installation

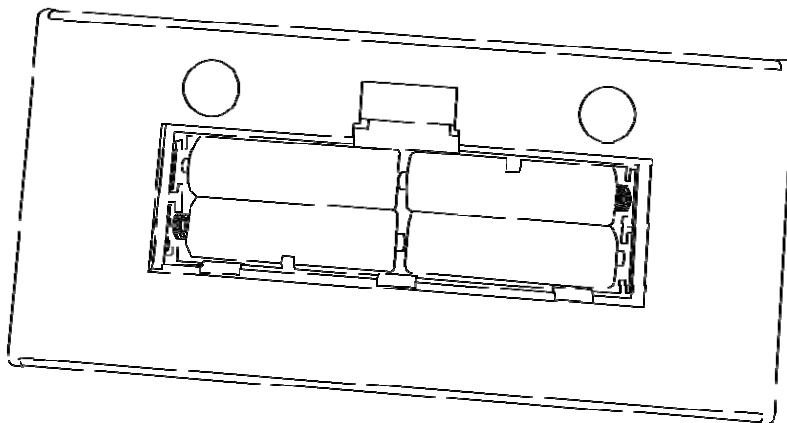
4.1.Components included with the scale

Components	Number of Pieces
Marsden K-100Keg Scale	1
AC Adaptor	1
Indicator	1
Wall Bracket	1
Screws for Wall Bracket	1

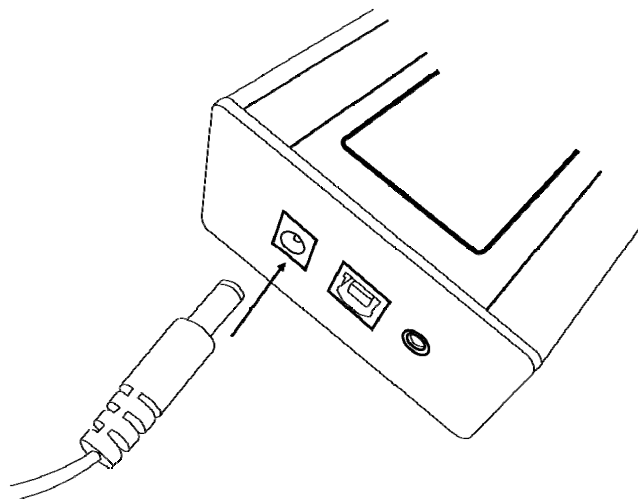
4.2.Establishing the Power Supply

The Keg Scale can be powered from the mains via the AC adaptor. Or it can be powered using 4x AA batteries, which can be inserted into the indicator.

Simply open the battery compartment and slide the batteries in as shown below. Check that the batteries are firmly in place and replace the cover.



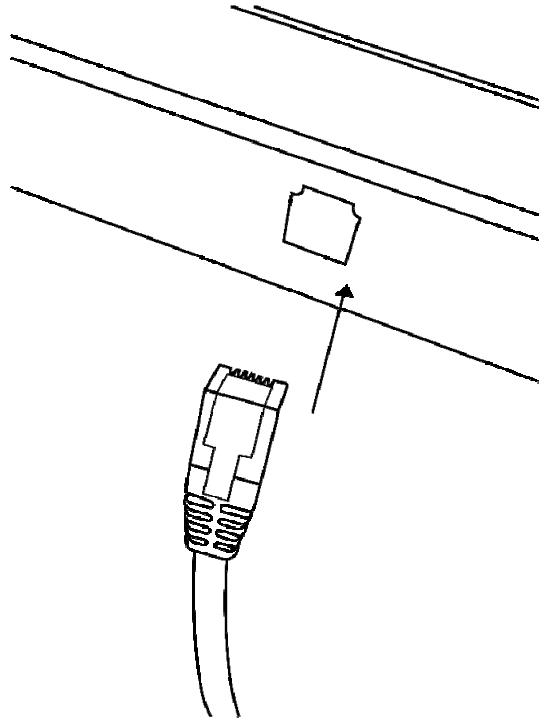
To power the scale from the mains connect the AC Adaptor to the AC mains supply. Connect the plug to the AC jack on the bottom of the scale as shown in the illustration below. The power



outlet should be close to the scale and easily accessible.

4.3. Connecting the Indicator

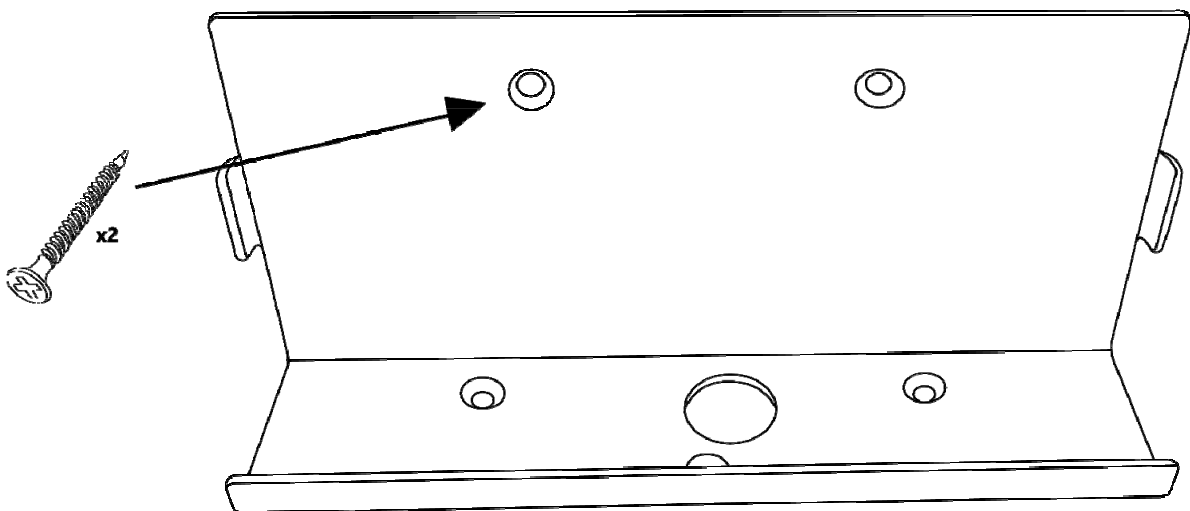
To connect the indicator to the scale, plug the indicator cable into the RJ11. The port can be found on the base of the scale.



If the display is damaged, a replacement can be purchased from Marsden and plugged into the RJ11 port without re-calibration being required.

4.4. Mounting the Indicator

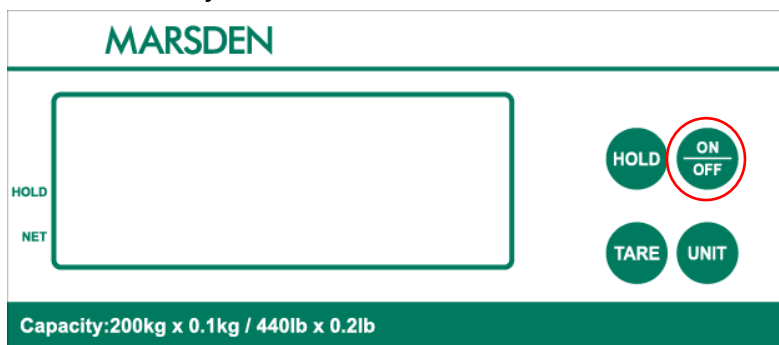
If the scale will be in a fixed position, the indicator can be attached to a wall with the wall bracket. Simply position the wall bracket and, using the provided screws, screw into the wall. The indicator can then be slid into the wall bracket and securely fastened.



5. Operation

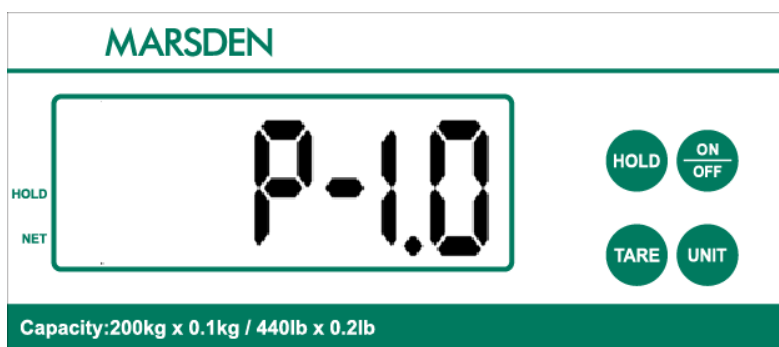
5.1. Weighing

Press the ON/OFF button firmly.

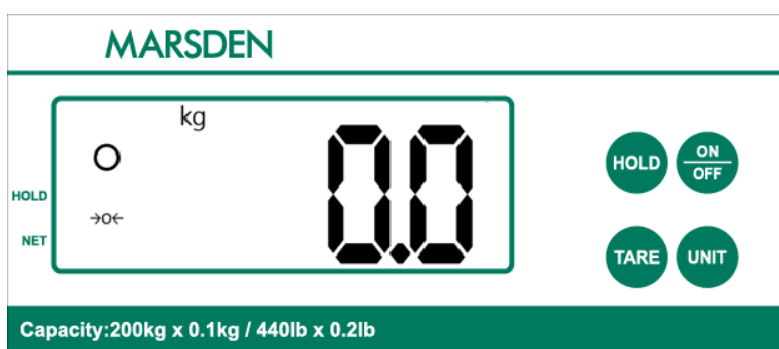


The scale will first test all of the display segments....

...and then show its current software version number.

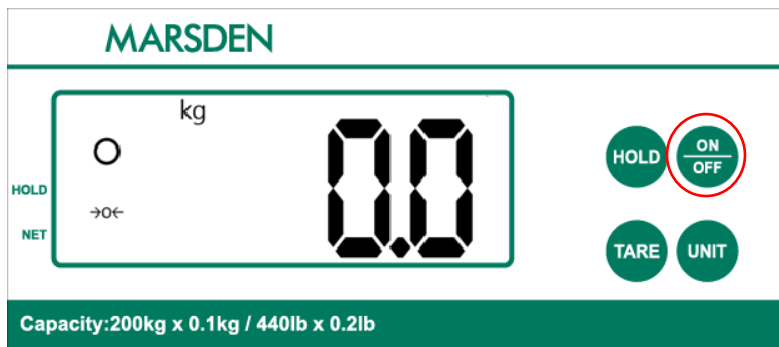


The scale will now go into weighing mode and should show 0.0kg on the display.



5.2.Switching off the scale

Press the **ON/OFF** button when the scale is turned on. The scale will now power down.

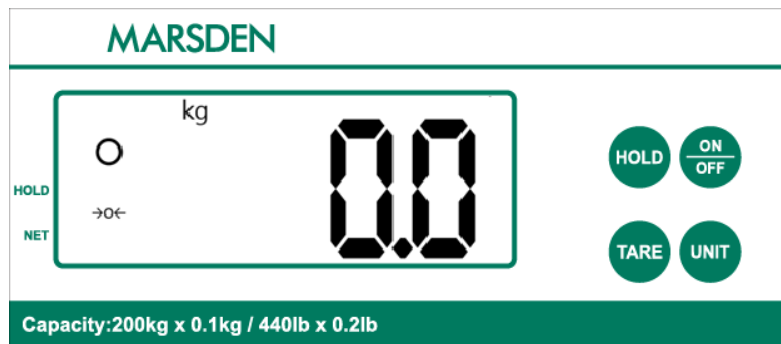


5.3.Using the Hold Function

Press **ON/OFF** on to turn on the scale.



Wait until the "0.0" reading appears.

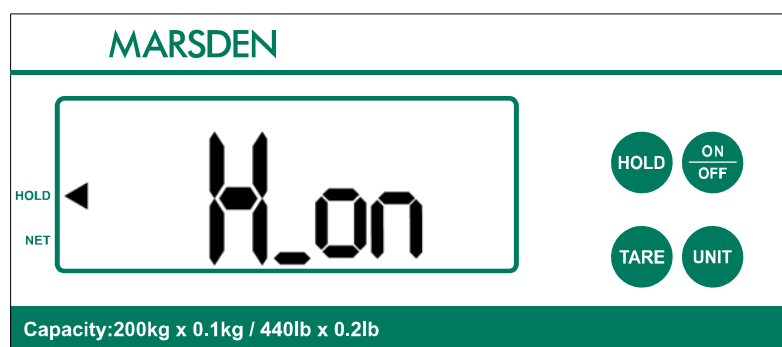


Place the keg onto the scale and press the **HOLD** button once.



The hold loading screen will now display. It looks like the below.

PLEASE NOTE: The weight placed on the scale must be at least 2kg for the Hold function to work.



After a few seconds the scale will stabilise on the weight of the keg. When the keg is removed from the scale, the weight will remain on the display.

Press **HOLD** again to disable the Hold function and return the scale to 0.0kg.

5.6.Using the Tare Function

To use the Tare function, turn the scale on using the **ON/OFF** button.



Place the item that needs to be tared onto the scale (i.e. an empty keg). The weight should display on the screen.





Then press the **TARE** button.



The display will show 0.0 and an arrow should appear pointing to **NET**. This indicates that tare is active. If you remove the item, it should display a negative number.



6. Error Messages

<p>Low Battery The scale will automatically shut down after 3 seconds. Please replace the battery.</p>	
<p>EEPROM error This indicates there is a fault with the scale's software and is normally caused by a fault with the load cell or wiring. Contact your local service representative.</p>	
<p>AD board error If AD board can't transfer data to main board, the display will show this message.</p>	
<p>Overload If the total load exceeds the capacity of the scale, the display will show this message. The weight must be removed immediately from the scale to prevent damage.</p>	

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