Jennings Robo
User Manual

JSCALE ROBO

MANUAL & OPERATION GUIDE

PLEASE READ COMPLETE INSTRUCTIONS BEFORE USE

Thank you for purchasing the ROBO. With normal care and proper treatment it will provide years of reliable service. Please read all operating instructions carefully.

.KEEP THE FOLLOWING POINTS IN MIND:

* If the display becomes locked, shows OUT2 or is inaccurate please recalibrate the scale.

* Do not Overload (exceed the capacity) of the scale including the weight of any trays or bowls combined with objects you may be weighing. Overload or Dropping/shocking the scale could damage the scale and void your warranty.

* Allow sufficient warm up time. Turn the scale On and wait several seconds to give the internal components a chance to stabilize before weighing.

* The cleaner the environment the better. Dust, dirt, moisture, vibration, air currents and proximity to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale.

* Handle with care. Gently apply all items to be weighed onto tray top. Although this scale is designed to be quite durable, avoid rough treatment as this may permanently damage the internal sensor and void your warranty.

* Avoid lengthy exposure to extreme heat or cold, your scale works best when operated and stored at normal room temperature. **Allow the unit to acclimate to any major temperature change for at least one hour before use.**

***Place the item to be weighed on the platform, after the stable weight is displayed remove the item immediately. This will prolong the longevity and accuracy of this weighing instrument..**

There is a built In findings scoop, tweezers and stylus on the right side of the scale, to the right of the tray and LCD. These tools can be removed and used to help you in your weighing of items.

.** Do not operate near an in-use cell phone, cordless phone, radio, computer or other electronic device. These devices emit RF and can cause unstable scale readings. If your scale ever performs poorly, try moving the scale to a different room or location. This is a very precise scale - the display may seem to wander or jump when weighing. This is due to air currents or vibrations. Stable weighing is achieved when the display remains fixed for 3 seconds.

KEY PAD FUNCTIONS

*** ⊖ ON/OFF**

Press this key to turn unit on. Once the unit is on, press and hold the same key to turn the scale off

*** T ZERO / TARE**

Press tare to reset the scale to zero. Tare can be used for eliminating the weight value of an empty container. Place an empty container on the scale and press TARE. Then place the items to be weighed in the container. Tare is also used as **MEMORY.** Simply place items to be weighed on the tray, press TARE then remove the items. The weight of the items will be displayed as a negative value and remain on the display in memory for easy reading.

NOTE: When all weight is removed from the weighing tray, the tared value of a container will be displayed as a negative number. Depress tare again to return the to zero.

*** M UNIT / MODE**

Unit (mode) selection: Press and release the key once to change weight unit You can select many different weighing modes.

*** C (Count) Sample sizes can be 25, 50, 75 or 100**

The following steps outline the procedure for cumulative weighing of samples: FIRST Switch the scale on, then Place a 'given' number of samples of an item on the tray. Press and hold [C] to put the scale in PCS mode (the indicator should be on pcs). Select the sample size (the same as you chose above) by pressing the [M] key (press it as many times as necessary to put it in the correct sample size (the sample size is the same as in step three =25, 50, 75 or 100), Press the [C] key, then the scale will remember the sample size you selected and show the starting sample size on the display.(You can now remove the samples if you want to return the scale to 0pcs). Place the items that you want counted onto the tray, the total number of items will show on the display. Press the [M] key to exit the counting function and return to normal weighing mode

Although the ROBO is designed to be extremely durable with extra overload protection built into the case, It's important that you never overload or drop/shock the scale. Scales are delicate instruments and unlike Cellular phones, scales have delicate sensors that determine how much an item weighs. If you drop or shock your scale, these sensors "feel" the shock and are sometimes destroyed. This happens with all digital scales. We design our scales to be as resistant to shock or drops as possible, however there is no way for us to protect 100% against load cell or sensor damage. A well-treated scale will provide years of reliable and accurate weighing. However an abused scale will only work until it's sensors are damaged.

FEATURES

* **Power Up Segment Test:** When first turning the unit on, all segments of the display will appear as shown below and a version number will show. This display will remain for approximately 3 seconds and then reset to zero. The display may also change brightness during this time and show a blank screen for a moment before 0.0 appears

=8.8.8.8.8. > 1250 (flashing)

Stable Reading Indication: This is a very precise scale - the display may seem to wander or jump when weighing. This is due to air currents or vibrations. Stable weighing is achieved when the display remains fixed for 3 seconds. An indicator will show in the top left corner of the screen.

* **Overload:** When an applied load exceeds the capacity. "o_ld" will appear on the display. Remove excessive load immediately. The unit may return to normal operation. ***!Remember: You can permanently damage the scale and void your warranty by overloading it!***

* **Negative Value:** Any tared value will be displayed as a negative number if all weight is removed, press TARE or cycle the power to re-zero the scale.

* **Auto off:** An auto shut off feature is provided to conserve battery power. The unit will automatically turn off after approximately 60 seconds of inactivity.

ROBO TROUBLESHOOTING & OPERATION NOTES:

1) If the Display ever becomes locked showing "Out2, please recalibrate the scale as outlined in the manual

2) If the Display ever becomes locked on 8888, o_ld, LLLL, or EEEE, this indicates that the scale was shocked, dropped or otherwise damaged and the delicate weighing sensors have been damaged. You can try recalibrating the scale (If the sensor has not been hurt too badly it will work again after recalibration). Otherwise you will have to follow the warranty instructions that came with your scale.

3) If the display is faint or the scale won't power on, this often indicates low batteries. However sometimes it also may indicate a serious zero mark error. This means when you turn the scale on, it can't determine what zero is (a slight zero mark error will cause situation #2 above) Thus, if new batteries do not fix this error the scale will have to be sent to us for replacement under our warranty program.

OPERATION

If your scale ever performs slowly, inaccurately, shows LO, or shows the battery icon please replace the battery.

Battery Operation:

1) One "CR2032"button battery is required.
2) To install battery:
   a) Release the battery cover by sliding it outwards.
   b) Place battery into battery compartment aligned correctly-be sure the polarity is correct (as it was when you first opened the cover)
   c) Replace battery cover.

DO NOT USE EXCESSIVE FORCE AND DO NOT PRESS ON THE TRAY

3) The scale is now ready for battery operation.

*Remove the battery if you plan to store the scale for longer than 14 days

(Advanced users only) CALIBRATION

IMPORTANT: This scale was professionally factory calibrated before shipment & usually does not need to be recalibrated by the end user. However, if you wish to recalibrate your scale we provide these instructions for calibration: Repeat calibration if the scale ever shows Out2. Incorrect calibration can occur if you do not follow the steps exactly. If your scale does not perform accurately, please try replacing your batteries before you calibrate. You will need a 300 gram weight or set of weights to calibrate this scale. *NOTE: if you do not have access to a 300g weight you can purchase one at your local store or in emergency situations you can use coins or weights (ie 60 US Nickels = 300g) as a 300g weight..*

1) Place the scale on a Flat, very stable surface and power it ON

2) Press and hold the M key until the display shows CAL then release it. The display will show 300.0 and is ready for calibration.

3) Gently place a 300 gram weight (the number in step 2) on the center of the platform.

4) The display will show PASS.

Calibration is complete. Remove the weight & turn the scale Off.

NOTE: if after calibration your scale does not read accurately, this indicates calibration error and the calibration process should be repeated more slowly. Otherwise check online for a possible updated calibration instruction.