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# **Jennings HP 100X User Manual**

# JSCALE HP-50 MANUAL

## PLEASE READ COMPLETE INSTRUCTIONS BEFORE USE

Thank you for purchasing The Jennings HP-50. With normal care and proper treatment it will provide years of reliable service. Please read all operating instructions carefully. You can contact us at [www.Jscale.com](http://www.Jscale.com)

### KEEP THE FOLLOWING POINTS IN MIND:

\* There are 2 sponge strips around the weighing pan to protect the scale during transport. Please remove these before weighing.

\* Avoid lengthy exposure to extreme heat or cold, your scale works best when operated at normal room temperature. **Always allow the unit to acclimate to a normal room temperature for at least one hour before use.**

\* 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. Only use on a stable, vibration free surface

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

\* Avoid shaking, dropping or otherwise shocking the scale. This is a precision instrument and **MUST BE HANDLED WITH EXTREME CARE.**

**\*IMPORTANT ADVICE: 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.**

\*\* These electronic scale are precision instruments. 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.

## OPERATION

When "LO-" shows on the display, this indicates the batteries are low

### Battery Replacement:

- 1) Two "CR2032" size batteries are required.
- 2) To install batteries:
  - a) Release the battery cover by pulling out-wards.
  - b) Place batteries into battery compartment aligned correctly.
  - c) Replace battery cover.

### DO NOT USE EXCESSIVE FORCE & DO NOT PRESS ON THE TRAY!!!

- 3) The scale is now ready for battery operation.

## (Advanced users only) CALIBRATION

**IMPORTANT:** This scale was professionally factory calibrated before shipment and 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 performs inaccurately. Incorrect calibration can occur if you do not follow the steps exactly. You will need a 20gram weight or set of weights to calibrate this scale. *NOTE: if you do not have access to a 20g weight you can purchase one at your local store or in emergency situations you can use coins or weights (ie 4 US Nickels = 20g) as a 20g weight..*

### Easy Calibration:

- 1) Press ON/OFF to turn on the scale and wait for 30 seconds for the scale to warm up.
- 2) With the display showing "0.00", press and hold CAL/MODE for about 3 seconds until "CAL" shows on the display
- 3) Wait for about 5 seconds, the display will change to "CAL 0". Put the 20g calibration weight (included in the box) onto the weighing tray.
- 4) Wait for about 3 seconds, the display will show "CAL F" (meaning the calibration is complete). *\*\*If the display shows "CAL E" instead, it means an error has occurred. Turn off the scale and repeat calibration.*

**NOTE:** if after calibration your scale does not read accurately, this indicates calibration error and the calibration process should be repeated more slowly.

**Please calibrate on a very stable flat surface**

## INACCURACY / ERROR

The primary reasons for inaccuracy or malfunction are low batteries, incorrect calibration, overload or operating on an unstable surface. Please keep this in mind and maintain and operate your scale properly. The scale is a precise instrument and must be handled with the upmost care and caution.

## FEATURE

### \* Power Up Segment Test

When first turning the unit on, all segments of the display will appear as shown below. This display will remain for approximately 2 seconds and then reset to 0.

**8:8:8:8:8**

### \* Overload

When an applied load exceeds the 50g capacity. "O-Ld" will appear on the display. Remove the excessive load immediately!  
**!Remember: You can permanently damage the scale by overloading it!**

**\* Negative Value**

Any tared value or a value left in memory will be displayed as a negative number once all weight is removed from the unit. Press tare to re-Zero the unit.

**\* Auto off**

An auto shut off feature is provided to conserve battery power. The unit will automatically turn off after approximately 3 minutes of inactivity.

**KEY PAD FUNCTIONS**

**\* UNIT**

Unit (mode) selection: Press and release the key once to change weight unit You can select g (grams), oz (ounces) gn (grains), or ct (carats).

**\* 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

**\* Memory**

Press the MEM key to store a weight value. This weight value can then be added to future weighing values to give a total of all weight values. This comes in handy when weighing multiple items and you want to get a total of the weight of the various items.

Place the first item on the tray, the weight will show. Press MEM and the display will go to 0.00, place the second item on the tray and then press MEM, the combined weight will show on the display.

**\* ZERO (TARE)**

Press Zero to reset the scale to zero. This can be used for eliminating from a sample (or a Tray/Container) the weight value of a container weight is permanently removed for the remainder of the procedure. Just turn the scale ON, place the tray or container on weighing platform, and press the ZERO key. The scale will show 0.00 (or 0.0) on the display and you can add items to the container/tray.

NOTE: When all weight are removed from the weighing tray, the tared value of a container will be displayed as a negative number. Cycle the power on the scale or press the TARE key to reset the scale to zero.

\*\* These electronic scale are precision instruments. Avoid disturbing environmental conditions such as currents, vibrations, strong electrical and magnetic fields as well as a rapid change of the ambient temperature.