JSCALE JS-(X)V MANUAL

PLEASE READ COMPLETE INSTRUCTIONS BEFORE USE

Thank you for purchasing The Jennings JS-V. 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**

.KEEP THE FOLLOWING POINTS IN MIND:

* Avoid lengthy exposure to extreme heat or cold, your scale works best when operated at normal room temperature. **If the scale has been subjected to temperature change, please allow the scale to acclimate to 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.

* 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.

KEY PAD FUNCTIONS

*** UNIT**

Unit (mode) selection: Press and release the key once to change weight unit You can select g (grams), oz (ounces), dwt (pennyweight), ozt (troy ounces), ct (carats), gn (grains) or lb(pounds/mg(miligrams)

*** PCS (Count) Sample sizes can be 10, 20, 50 or 100**

The following steps outline the procedure for cummulative weighing of samples: Switch the scale on, Place a 'given' number of samples of an item on the tray. Press the [UNIT] key several times 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 [PCS] 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 =10,20,50or 100), Press the [UNIT] key, the display will show "pass", then after 2 seconds, 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 [UNIT] key to exit the counting function and return to normal weighing mode

*** ⏻ 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

*** 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 0 (or 0.00) 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 to reset the scale to zero.

*** LIGHT**

Press the center [Light] key to turn on the bright LCD backlight. It will stay on for several seconds. Press this key again to turn off the backlight.

Selection of auto-power-off mode

Press and hold [UNIT] , then press [ON/OFF], The scale will enter the function setting mode. The display will show A_ON or A_OFF, Press [ZERO] , the display will show A_ON, this means auto- off function active. Press [ZERO] again, the display will show A_OFF, (auto-off function inactive).

** 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.

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.

FEATURES

Power Up Segment Test

When first turning the scale on, the display will show - - H I - - This display will remain for approximately 2 seconds and then reset to 0.

Overload: When an applied load exceeds the capacity. "EEEE" will appear on the display. Remove the excessive load immediately! Although the JS uses proprietary overload protection technology, it is still possible to damage the weighing sensors by overload.

!Remember: You can permanently damage the scale by overloading it!

The following features are optional and depend on the scale model;

***Weighmeter™ :**

On the side of the display you will notice a series of bars that increase as the load on the scale increases. This is our Weighmeter™ invention. It helps you know the remaining capacity on the scale and also will indicate an overload if one occurs. Please use the Weighmeter™ to monitor your weighing loads and please do not overload this scale.

***Timer function:**

Begin with the scale OFF. Press [on/off] and hold the [PCS] key, until the display shows "timer*" (*it will appear a bit strange because of the LCD segments), press [PCS] the display will show "0.00.00", press [PCS] again, this means that the timer function is active. Press [PCS],this means that the timer is inactive. Press [zero], the display will show 0.00.00

***Clock function:**

Begin with the scale OFF. Press [on/off] and hold [PCS] until the display shows "timer*", press [unit] the display will show "time", then press [PCS] , the display will show "00=00". Press [unit] to set the HOUR, press [zero] to set the minutes. Press [PCS] again,The clock function is now activated.

*** Set Price function**

when the scale ON, Press and hold [PCS] until the display shows "Pr1= "the display shows "000.00", **(0 for flash digit).press [unit] key again, rightward flash digit,**then press [zero] to increase digit, then press [PCS] key, the function is finished.

OPERATION

Battery Operation:

1) Three "AAA" size ALKALINE batteries are required.
2) To install batteries:
   a) Release the battery cover by sliding 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 display locks on 8888, EEEE or LLLL. 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 calibration weight (see below) to calibrate this scale. ***NOTE:*** *if you do not have access to a calibration weight you can purchase one at your local store or in emergency situations you can use coins or weights (ie 2 US Nickels = 10g) as a calibration weight.*

The JS-600V, requires a 300gram weight to calibrate
The JS-50XV, requires a 50gram weight to calibrate
The JS-100XV requires a 100gram weight to calibrate

1) Place the scale on a Flat, very stable surface and turn it ON
2) Press and hold the "ZERO" key for 5 seconds until the display shows CAL - then release the key.
3) Press the ZERO key again, the display will flash CAL and then 300 (or 50/100 depending on model above)
4) Gently place the weight(s) on the tray and wait 3 seconds. The display will show PASS and return to the weight value.
5) Calibration is complete, Remove the weight and 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 slower.

Please calibrate on a very stable flat surface

TROUBLESHOOTING & OPERATION NOTES:

1) If the Display ever becomes locked on 8888, LLLL or EEEE, this indicates that the scale was shocked, dropped or otherwise damaged and the delicate weighing sensors may have been damaged. Please 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.

2) If the display shows "Lo-b" this usually 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 #1 above) Thus, if new batteries do not fix this error the scale will have to be sent to us for replacement under our 20 years warranty program.

Although this scale is designed to be extremely durable, 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.