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# **Jennings CJ 4000**

## **User Manual**

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# JScale CJ-4000 Manual

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## PLEASE READ COMPLETE INSTRUCTIONS BEFORE USE

Thank you for purchasing The Jennings CJ 4000. 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:

- \* If the scale does not perform accurately, please recalibrate the scale.
- \* 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.
- \* 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

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 scale ever does not perform accurately. 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 4000gram weight or set of weights to calibrate this scale.

*NOTE: if you do not have access to a 4000g weight you can purchase one at your local store or in emergency situations you can use coins or weights (ie 800 US Nickels = 4000g) as a 4000g weight..*

- 1) Turn the scale OFF and Place the it on a Flat, very stable surface  
**(Be certain the scale is OFF)**
- 2) Press and hold the "Z/T" key first, then press the **ⓘ** key (while keeping the Z/T key depressed) until a random large number appears on the display - then release both keys. This is the AD value (starting raw value of the load cell)
- 3) Wait a few seconds for the AD value to stabilize, then press and release the MODE key, the display will show 0SAVE then it will return to the random AD value.
- 4) Gently place a 4000 gram weight on the scale and wait 3 seconds (the displayed number will increase).
- 5) Press and release the MODE key. The display will show 0SAVE, 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 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**

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### **\* 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.

**1:8:8:8:8**

### **\* Overload**

When an applied load exceeds the 4000g capacity, "EEEE" will appear on the display. Remove the excessive load immediately!

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

### **\* Negative Value**

Any tarred 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.

## **WARRANTY**

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This scale is warranted to the original consumer purchaser from all defects in materials or craftsmanship for **20 years** from the date of purchase. Any defect created by misuse, abuse, overload or physical damage (ie dropping the scale/bowl) is not covered. Also any consequential or incidental damage is not covered. Please send your scale via an insured traceable service to be certain it does not get lost in transit. There is a \$10 warranty fee on all returned scales to cover postage and inspection costs.

### **We do not accept returns of used scales from our resellers**

You must return all scales directly to our repair center.

**Jennings Warranty Dept**

**3402 E Thomas Rd #33**

**Phoenix AZ 85018 USA**

Canadian Customers can send their scales to:

**Jennings Canada PO Box 95036 Vancouver BC V6P 6V4**

*Please make sure you include your original receipt as proof of purchase..*

**NOTE: Because of Enhanced Security measures The scale must be completely clean and devoid of food or lab matter. Unsanitary or unclean scales and scales returned without their original receipt and \$10 fee will be safely destroyed without repair or notification.** We need your receipt to determine the correct start date of your warranty and that you are the original purchaser. Your receipt will be mailed back with your replaced or repaired scale.

**Please include a note describing the problem with the scale and your return address.**

## KEY PAD FUNCTIONS

### \* **MODE**

Unit (mode) selection: Press and release the key once to change weight unit. You can select g (grams), oz (ounces), lb (pounds) or pcs (parts counting).

### \* **ⓘ 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.

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

The following steps outline the procedure for cumulative weighing of samples: Switch the scale on. Use the MODE key to put the scale into PCS mode. Now press the PCS key once\*. The display will show "S=10". Put 10 pcs of samples on the platform. Press the MODE key (to lock in the weight). The display will show "10" and the scale is ready for counting. \*NOTE: You can choose the quantity of samples as 20pcs, 50pcs or 100pcs by pressing the PCS key multiple times (instead of once). For 20 pc counting, the display will show "S=20". Put 20pcs samples on the platform, then press the MODE key. The display will show "20" and the scale is ready for counting. The same instructions can be applied to 50pcs counting and 100pcs counting.

### \* **Z/T[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.

### \* **COVER / BOWL**

The CJ comes with a cover that also acts as a unique pouring bowl. Please keep your CJ covered at all times when not in use to protect from damage.

### \* **AC ADAPTOR**

The CJ can be operated on AC power with a standard 4.5volt AC adaptor. Please only use the correct AC adaptor for this scale - an incorrect power AC adaptor can cause damage to the scale and possible fire or injury.

### \* **FUNCTION SETTINGS**

1. Enter function setting mode.

Press [ ⓘ ] to turn the power off, Press [MODE] first, then press [ ⓘ ], while keeping [MODE] pressed, the display will show A\_ON or A\_OFF.

2. Selection of auto shut off mode.

When the balance enter function setting menu. Press [MODE] key, the display will show A\_ON or A\_OFF, selection display A\_ON, this means auto shut off function active. Press [MODE] again, the display will show A\_OFF, this means auto shut off function inactive.