



ENGLISH



Thank you for purchasing the J-Scale® JSR® digital scale. Please read all operating instructions carefully before use. This electronic scale is a precision instrument. With normal care and proper treatment, it will provide years of reliable service.

For further information or troubleshooting, please visit our website at [www.jscale.com](http://www.jscale.com)

**FEATURES & SPECIFICATIONS**



**JSR-100**

Precision	Capacity
0.01g	100g
0.001oz	3.527oz
0.1gn	1543.2gn
0.05ct	500ct
0.001ozt	3.215ozt
0.01dwt	64.30dwt

**JSR-150**

Precision	Capacity
0.1g	150g
0.01oz	5.291oz
0.1gn-1gn	2314.8gn
0.5ct	750ct
0.01ozt	4.823ozt
0.1dwt	96.45dwt

**JSR-200**

Precision	Capacity
0.01g	200g
0.001oz	7.054oz
0.1gn	3086.4gn
0.05ct	1000ct
0.001ozt	4.823ozt
0.01dwt	96.45dwt

**JSR-600**

Precision	Capacity
0.1g	600g
0.01oz	21.16oz
0.1gn-1gn	9259gn
0.5ct	3000ct
0.01ozt	19.29ozt
0.1dwt	385.5dwt

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 scales 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**

- Two "AAA" size ALKALINE batteries are required.
- To install batteries: Release the battery cover by sliding out-wards. - Place batteries into battery compartment aligned correctly. - Replace battery cover. **DO NOT USE EXCESSIVE FORCE & DO NOT PRESS ON THE TRAY!!!**
- The scale is now ready for battery operation.

**CALIBRATION** (Advanced users only)

**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 20US Nickels = 100g, 200US Nickels = 1000g) as a calibration weight.

**The JSR®-100, JSR®-150 require a 100gram weight to calibrate, The JSR®-600 require a 500gram weight to calibrate.**

- Place the scale on a flat, very stable surface and turn it ON until the LCD displays "0.0" or "0.00".
- Press and hold the [M] key for 5 seconds until the display shows "CAL-" then release the key.
- Press the [M] key again, the display will flash "100.00g" (or "500.0g").
- Gently place the weight(s) on the scale and wait 3 seconds. The display will show "PASS".
- The scale goes back to weighing mode. Calibration is complete. Remove the weight and turn the scale OFF.

**The JSR®-200 require both 100g & 200gram weights to calibrate.**

- Place the scale on a flat, very stable surface and turn it ON until the LCD displays "0.00".
  - Press and hold the [M] key for 5 seconds until the display shows "CAL-" then release the key.
  - Press the [M] key again, the display will flash "100.00g".
  - Gently place a 100g weight on the platform of the scale, wait 3 seconds, the display will flash "200.1".
  - Remove the 100g weight from the platform, gently place a 200g weight on the scale, wait 3 seconds, the display will show "PASS".
  - The scale goes back to weighing mode. 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.

**INACCURACY / ERROR**

The primary reason for inaccuracy or malfunction are low batteries, incorrect calibration, overload or operation 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 utmost 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 be on for approximately 2 seconds and then reset to "0. - HL -"

**OVERLOAD**

When an applied load exceeds the capacity, "O.Ld" will appear on the display. Remove the excess load immediately! Although the JSR® 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.

**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 if an overload occurs. Please use the Weighmeter™ to monitor your weighing loads and please do not exceed the capacity.

**TROUBLESHOOTING & OPERATION NOTES**

- If the display ever becomes locked on "8888", "LLLL" or "EEEE", this indicates that the scale was dropped or otherwise damaged and the delicate weighing sensors may have been damaged. Please recalibrate 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.
- If the display shows "- Lo", 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 similar mark error will cause situation #1 above). Thus, if new batteries do not fix this error the scale will have to be replaced under our 20 years warranty program.

Although the JSR® is designed to be extremely durable. It's important that you never overload or drop/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 so destroyed. This happens with all digital scales. We design our scales to be as resistant to shock or possible. However there is no way for us to protect 100% against load cell or sensor damage. A well used scale will provide years of reliable and accurate weighing. However an abused scale will only work if the sensors are not damaged.

**KEY PAD FUNCTIONS**

**[M]**

Mode selection. Press and release the key once to change weight unit. You can select g (grams), oz (ounces), pennyweight, ozt (troy ounces), ct (carats) or gn (grains).

**[PCS]**

Part counting mode. Sample sizes can be 25, 50, 75 or 100. The following steps outline the procedure for cumulative weighing of samples: switch the scale on, Place a 'given' number of samples of an item on the scale. Press and hold the [PCS] key until the display flash the number in PCS (the indicator should be on pcs). Press the [M] key to select the sample size (the same as you chose above), in the end press the [PCS] key. Then after 2 seconds the scale will remember the sample size you selected and show the starting sample size on the display. Now remove the samples if you want to return the scale to 0 pcs. Place the items that you want to count on 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.

**[ON/OFF]**

On/Off. Press this key to turn the scale on. When the scale is on, press and hold the same key to turn the scale off.

**[T]**

Tare. Press [T] 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 place the tray or container on weighing platform, and press the [T] key, the scale will show 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 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 again to turn off the backlight.