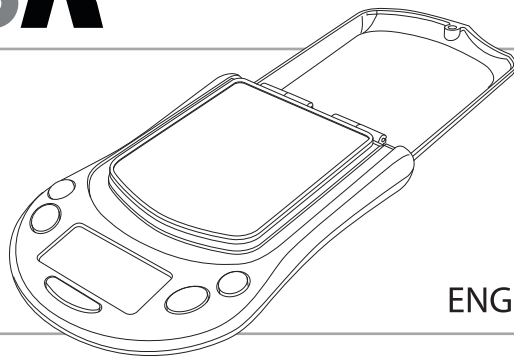
JSR

USER MANUAL



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**

FEATURES & SPECIFICATIONS

JSR-50

Precision	Capacity
0.01g	50g
0.001oz	1.7oz
0.1gn	770gn
0.05ct	250ct
0.001ozt	1.6ozt
0.01dwt	32.15dwt

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
1.5 gn	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-300

Precision	Capacity
0.1g	300g
0.01oz	10.59oz
1.5gn	4629gn
0.5ct	1500ct
0.01ozt	9.64ozt
0.1dwt	192.9 dwt

JSR-600

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

BACKLIT

2x AAA

WEIGHMETER® TECHNOLOGY

Patent 7,256,358; Additional US/CA/EU patents granted or pending

STAINLESS STEEL TRAY

AUTO OFF

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

1) Place the scale on a flat, very stable surface and turn it ON until the LCD displays "0.00".
2) Press and hold the [M] key for 5 seconds until the display shows "CAL-" then release the key.
3) Press the [M] key again, the display will flash "100.00g".
4) Gently place a 100g weight on the platform of the scale, wait 3 seconds, the display will flash "200.0g".
5) Remove the 100g weight from the platform, gently place a 200g weight on the scale, wait 3 seconds, the display will show "PASS".
6) 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 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 utmost care and caution.

FEATURES

Power Up Segment Test

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

OVERLOAD

When an applied load exceeds the capacity. "0_ Ld" will appear on the display. Remove the excessive 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 it!

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.

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", 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 #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.

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

1) Two AAA size ALKALINE batteries are required.
2) 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!!!
3) The scale is now ready for battery operation.

CALIBRATION

Calibration may be required when the scale is first set up for use, or if the scale is moved to a different altitude or new location. This is necessary because the weight of a mass in one location is not necessarily the same in another location. Also, with time and use, mechanical deviations can occur.

The JSR-50 requires a 50gram weight, The JSR-100 & JSR-150 require a 100gram weight, The JSR-300 requires a 300gram weight, The JSR-600 requires a 500gram weight to calibrate.

1) Place the scale on a flat, very stable surface and turn it ON until the LCD displays "0.0" or "0.00".
2) Press and hold the [M] key for 5 seconds until the display shows "CAL-" then release the key.
3) Press the [M] key again, the display will flash the required weight ("50.00g", "100.00g", "300.0g" or "500.0g")
4) Gently place the weight(s) on the scale and wait 3 seconds. The display will show "PASS".
5) The scale goes back to weighing mode. Calibration is complete. Remove the weight and turn the scale OFF.

Although the JSR 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.

KEY PAD FUNCTIONS

[M]
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) or gn (grains).

[→PCS]
Part counting mode. Sample sizes can be 25, 50, 75 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 and hold the [PCS] key until the display flash the number in PCS (the indicator should be on pcs). Press [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. (You can now remove the samples if you want to return the scale to 0 pcs). 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.

[⏻]
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 can be used for eliminating the weight value of an empty container. Place an empty container on the scale and press [T]. Then place the items to be weighed in the container. NOTE: When all weight is removed from the weighing tray, the tared value of a container will be displayed as a negative number. Press [T] again to return 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.