



Industrial Weighing Systems

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Industrial Weighing Systems assumes no responsibility for the accuracy of the calibration instructions extracted from manufactureres documentation.

Contact us for complete manuals we may have on file info@iwsystems.ca

**Industrial weighing systems provides repairs to all instruments and load cells.
Calibration services available.**

Should you require additional information please do not hesitate to contact IWSystems
Check out our products at www.iswystems.ca

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/non level 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 powering the scale on, all segments of the display will appear from "99999" to "00000".

➤ Overload

When an applied load exceeds the maximum capacity. It will 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 tray. Press **[TARE]** to re-Zero the mode.

4.

KEY PAD FUNCTIONS

◆ **[MODE]**

MODE(mode) selection: Press and release the MODE key once to change the weight mode. You can select g (grams), kg (kilograms), lb (pounds) oz (ounces) or lb/oz (pounds/ounces).


▪ **[ON/OFF]** : Power switch

Press this key to turn mode on. Once the mode is on, press and hold the same key to turn the scale off.

▪ **[HOLD]**

Press this key to hold current weight reading, press again to cancel.

▪ **[TARE]** : Zero or tare

Press **[TARE]** to reset the scale to zero the scale or to tare off the weight of a container. When the scale is in TARE mode (for larger weights that are tared off) The tare indicator  will appear and the display will show "0".

Backlight switch

On the back of the scale, next to the AC socket is the backlight switch. Slide it to enable or disable the backlight.

Buzzer / Beep Function

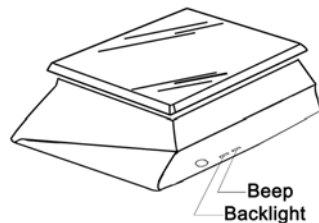
On the back of scale, the other switch is the Beep switch, Slide it to enable or disable the beeper.

AC ADAPTOR

The scale can be operated on AC power with the standard KD7000 AC adaptor whose output is DC 4.5 ~ 6 volt.

NOTE: Please only use the correct AC adaptor for this scale – an incorrect AC adaptor can cause damage to the scale and possible fire or injury. Use of an incorrect AC adaptor will also void your warranty.

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Precautions Before Using The Scale

The scale should always be used in a stable environment without excessive air currents, corrosives, vibrations, and extremes in temperature or humidity. These factors can affect the accuracy and performance of the scale.


Scale Operation Notes


- Do not Overload (exceed the capacity) of the scale including the weight of any trays or bowls combined with objects you may be weighing. Overload or Dropping/shocking the scale will damage the sensor and void your warranty.
- 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 the tray. Although this scale is designed to be quite durable, avoid rough treatment as this may permanently damage the internal sensor and void your warranty.
- Avoid lengthy exposure to extreme heat or cold, your scale works best when operated and stored at normal room temperature.
- 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.


Turn on The Scale

Press **[ON/OFF]** to turn on the scale. The scale will go through a quick warm up procedure and self test. It will show "0" on the display and be ready for use.

Display Widow

HOLD: Current weight reading is held.  : Current reading is stable.

 : Scale is in Zero mode.

 : Scale is in TARE mode.

 : Battery is at low voltage or under heavy load.

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OPERATION

Battery Operation:

- 1) Three "AA" size ALKALINE batteries (1.5V*3) are required.
- 2) To install batteries:
 - a) Open the battery cover.
 - b) Place batteries into battery compartment aligned correctly.
 - c) Replace battery cover.
- 3) The scale is now ready for battery operation.

WEIGHT RESPONSE SPEED & AUTO TURN OFF

Hold the **[HOLD]** key (don't release), then press and release the Power key. Wait 5 seconds. Press **[MODE]** to scroll from "nb0" to "nb2" (nb0 is slowest), press **[TARE]** for confirmation. The display will show "OFF 0" (disabled) or "OFF 1" (automatic turn off after about 2 minutes) or "OFF 2" (automatic turn off after about 5 minutes), select the auto turn off time by pressing **[MODE]**, confirm it by pressing **[TARE]**. The scale will return to the normal weighing mode.

(Advanced users only) CALIBRATION

IMPORTANT: This scale was professionally factory calibrated before shipment. It does NOT need to be recalibrated before use and will not usually require calibration during its lifetime. However some advanced users who seek optimum accuracy may wish to calibrate the scale periodically to maintain perfect accuracy. Incorrect calibration can occur if you do not follow the steps exactly. You will need a 5kg weight to calibrate this scale.

- 1) Turn the scale OFF and place it on a FLAT, very stable surface .
- 2) Press and hold **[MODE]** and **[ON/OFF]** to turn on the scale, wait for the display to show "CALE".
- 3) Place a 5kg weight on the tray, wait 3 seconds then press **[TARE]**. Calibration is complete.

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