

ELECTRONIC BALANCE

Operation Manual

KD-SC/SE-en, V5.2-2007

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I. NOTICES






Precautions Before Using the Scale

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

Operation Advices

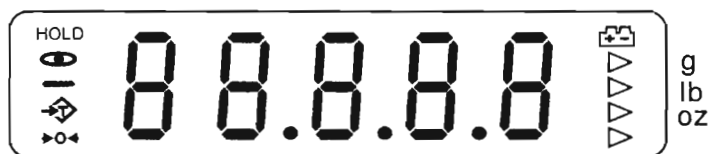
- The better environment, the more in favor of normal weighing.
- Allow sufficient warm up time. 1~2minutes is necessary.
- Do not Overload the scale. Overloading the scale will damage the sensor and void your warranty.
- Handle with care. Gently apply all items to be weighed onto the tray. Although this scale is designed to be quite durable, avoid rough treatment as this may permanently damage the internal sensor.
- 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.

II. KEYPAD FUNCTIONS

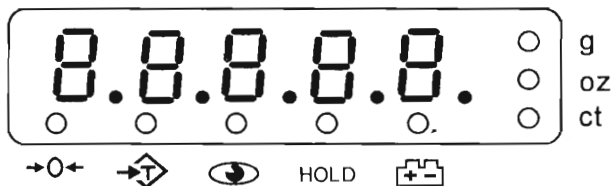
1.  Power Switch
2.  Select the unit: units optional refer to faceplate
3.  Reset the scale to zero or tare
4.  User calibration: Optional refer to faceplate
5.  Hold the weight

III. EXPLANATION OF SYMBOLS

KD-SC LCD display :



KD-SE LED display :




 : Stable indicator.

HOLD: Weight hold indicator.


 : Zero indicator.

 : Tare indicator.

 : Low battery indicator. Indicate that the batteries should be replaced.


IV. OPERATIONS

1. Turn on the scale


Press  to turn on the scale. The scale will go through a quick warm up procedure and self test, and then it will be ready for use.

2. Start weighing


A. Weighing without container

If the reading is not “0” or the zero indicator isn’t displayed, press  to display “0” and the zero indicator. Then place objects on the tray, when the stable indicator appears, the value displayed is the weight of the objects.

B. Weighing with container

Place an empty container on the tray, press  to display “0” after the stable indicator is displayed. Then place the objects into the container, when the stable indicator appears, the value displayed is the weight of the objects.

3. Power-off and Automatic power-off


A. Press  directly to turn the scale off.




B. The scale will automatically turn off, if the scale is in a stable environment and non-operation for 4 minutes.

V. ERROR MESSAGES

1. “oL” : indicate that the scale is overloaded.
2. “Lo” : indicate that the voltage of the batteries is low, and the scale can’t work normally.
3. “UnSt”: indicate that the scale is in a non-level or unstable platform.
4. “oUtZ”: indicate that the weight of the objects on the tray is outside the zero-resetting range.

VI. EXTERNAL CALIBRATION

IMPORTANT: This function doesn't exist if there is no  key on the faceplate. (Please acquire the interior calibration way from the product seller to calibrate the scale if you want to calibrate the scale.) 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.

- 1) Press  to turn the scale on and let it warm up for 1~2minutes.
- 2) Press and hold  for 3 seconds, it will show “CAL”, and then “0” twinkling. Remove all objects from the tray,press 

again, the screen will show a number (eg. 1000) twinkling.

Place a weight which value equal to the number on the tray (unit: g)(eg. the shown number is 1000, that means you should place a 1000g weight on the tray) and then press . it will display "PASS" if success, then return to normal weighing.

NOTE: If after calibration your scale does not read accurately, it means the calibration is failed and the calibration process should be repeated more slowly.

Please calibrate on a very stable and flat surface!

VII. BASIC SPECIFICATIONS

| | |
|-----------------|---|
| Tray | Square Tray, size: 154mm×154mm |
| Display mode | Large Screen, LCD display, 5digits, 15mm height |
| | Large Screen, LED display, 5 digits, 15mm height |
| Power Supply | Six batteries (R6P/LR6/AA size), or AC/DC adaptor, 8.5V/150mA(optional) |
| Operating temp. | 0~40°C(32~104°F) |
| Backlight | Auto backlight (optional) |