

# 2600KL scale product specification

FCC ID: ZVG2600KL

## 1. Product specification

1.1 LCD specification :  $1/4$ duty,  $1/3$ bias

1.2 Capacity : Max 318kg/700LB

1.3 Weight range : 5kg-318kg 、 10LB-700LB

1.4 Unit : kg/LB

1.5 Graduation : 0.1kg /0.2LB

1.6 Accuracy : (5kg-50kg) $\pm$ 150g ;( 50kg-150kg) $\pm$ 200g;  
(150kg-318kg) $\pm$ 300g

1.8 Power : 1.5V\*6 battery 、 9.0 V Adaptor

1.9 Working Voltage : 6.0V-9.0V

Low power voltage :  $\leq$ 6.0V

Low power display : Lo bAtt(Battery icon will flashing also)

Over load Display( load is over the maximum capacity ) : Display show  
“OVER.”

Display Err4 when scale is o: Problem with IC (24C02 )

Dynamic current :  $\leq$ 20 mA

Quiescent current :  $\leq$ 3uA

Operating temperature : 5°C-35°C

Storage temperature : 0°C-60°C

Repeatability:  $\pm$ 1d

## 2. Summary of functions

- 1 ◦ Weight lock in normal mode ;
- 2 ◦ Pre-tare setting function ;
- 3 ◦ Tare function ;
- 4 ◦ Hold function HOLD ;
- 5 ◦ Re-weighing ;
- 6 ◦ Print function (Reserved) ;
- 7 ◦ BMI function ;
- 8 ◦ LB/KG conversion function ;
- 9 ◦ LIVE weighing function
10. RECALL last weight reading
- 11 ◦ KG/LB locked

### **3 · User operation**

#### **3.1 Weight lock in normal mode**

3.1.1 Press “ON/OFF” to turn on the scale, LCD display show “StArt”, then back to”0.0”

3.1.2 Place an object on the scale, LCD display show “-----“, LCD display show the value and “LOCK” when the weigh reading is stable.

3.1.3 Once removed the object from the scale, LCD will back to “0.0”

3.2 REWEIGHT function: If there is re-weight request, press REWEIGHT to reweighing without removed any object on the scale.

3.3 HOLD function : If you want to lock the weight, press HOLD/RELEASE once. HOLD Icon will be displayed on LCD display. Remove the

object on the scale, LCD display will keep showing the value of the weight. Press HOLD/RELEASE to unlock and LCD display show 0.

3.4 Manual turn off : Press ON/OFF in ready mode ,

3.5 Automatically turn off: Scale will be turned off in **30s** of inactivity.

3.6 Unit conversion: Pressing KG/LB to switch using the unit of KG/LB/, unit will be changed and shown on the LCD.

3.7 Unit locked : Under the KG or LB mode, press and hold “KG/LB” for **20s**, unit will be locked. It will be memorized even scale is off. Press and hold “KG/LB” for **20s** to unlock if need.

3.8 Tare function: Press TARE/PRETARE, scale will tare the weight on it. LCD display show 0, value of TARE will be memorized. Press TARE again, weight value before tare will be shown.

3.9 PRETARE function: PRESS and hold TARE/PRETARE for 3s, access into PRETARE function setting. In this mode, TARE icon on the LCD display will be flashing and display show “00.0KG (or 0.0LB and first digit will be flashing. And now using DOWN key to change the value as you request, press RIGHT key to change the second digits and so on. Press ENTER to confirm (Value do not exceed 1/5 maximum capacity) PRETARE

3.10 Zero function: If the scale does not appear “ZERO” before weighing, press ZERO to catch zero, the zero which you catch is the absolutely zero of the scale.

3.11 BMI function

3.11.1 After the operation of 3.1.1 and 3.1.2 (weight locked), press BMI

to key in the height(unit: CM or FT&IN), default setting is 170mm (68IN).

3.11.2 Press RIGHT key to adjust the value of the height,

3.11.3 Press ENTER to confirm, display show value of BMI (Range:10-100,0 will be shown if out of this range.)

3.11.4 Press ENTER again return to the weighing mode.

3.12 FUNC function: In weighing mode, press FUNC to access into the FUNC function selection. F1 is displayed. Press UP to select .

Press FUNC again return to the weighing mode.

3.12.1 F1 weight mode selection: Once access into FUNC function, display show F1. Press ENTER to access into HOLD weighing(1-H) : *hold weighing is the weighing will be lock in a value when it is stable until additional weigh is add to activate the weighing again* and LIVE weighing (2-L): *live weighing is the reading will not be lock, any small movement will change the reading.* Making the selection, using UP key to select, then press ENTER to confirm, status will be memorized by the scale. Then back to FUNC function selection.

## 4 .Other functions

### 4.1Low battery voltage detection

If battery is lower then 6.0V, LCD display show “Lo bAtt” and icon of battery will flashing, and turn off. Indication the user to change the battery.

### 4.2 Display description

4.2.1. Turn on indication: “start” ◦

4.2.2. Overload indication: “over” ◦

4.2.3. LCD display show “under” when turn on the scale, then catch “0.0” automatically.

4.3 USB function: **Protocol to be similar to 500KL protocol.**

5. Key function description (9 buttons (not include PRINT)):

1. ON/OFF ; Power on/Off
2. HOLD/RELEASE/RIGHT ;
3. REWEIGH ; reweigh
4. ENTER ; Confirm
5. KG/LB/ST/UP ; Unit conversion
6. ZERO ; Press “ZERO” if scale does not catch 0. “ZERO”
7. TARE/PRETARE ; tare or set the pre-tare value
8. BMI ; Measurement the BMI of user
9. FUNC ; Access to function mode
- 10. RECALL; Recalls last weight reading**
11. Print function(Reserved)

6. Step of calibration

6.1 Press and hold “HOLD/RELEASE/RIGHT”, then press ON/OFF to turn on the scale, LCD display show U 01(version number), then display should show the code value, release HOLD/RELEASE/RIGHT and KG/LB/UP.

6.2 Press “ENTER” to confirm, then LCD display show “CAL”

6.3 Press ENTER and LCD display show "CLEAR, remove an object on the platform.

6.4 LCD display show 200kg, represents using 200kg to calibrate. LCD display show 400lb, represent using 400lb to calibrate. And now you can using the "RIGHT" key and "UP" key to change the weight of calibration LCD

6.5 Place the same weight which LCD display shown.

6.6 Press ENTER, display the code value

6.7 Press "ENTER", LCD display show "SUCC", Represents calibration completed (if display show "ERR1, represents calibration failed)  
→"Start" →0.0LB.

## 7. Maintenance manual

7.1 Press KG/LB/UP to turn on the scale to access into the maintenance setting.

7.2 Select the maximum capacity SET-F.

7.3 Factory setting SET-D ◦

**FCC NOTE:**

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.**

(b) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**END**