TCS-SY
ELECTRONIC PLATFORM SCALE

USER'S MANUAL

Soluciones de pesaje y
equipos para alimentos

INDICADOR BBG REF:INDUSTRY-IP67

Thank you for using our **TCS** serial product of electronic waterproof Platform scale. The scale is manufactured with advances computer-controlled hi-techniques. It has the characteristics of satisfactory in performance accurate in weighing, convenient for carrying, cheap in price. It is sturdy and durable and widely used in not only retail stores and weighing of ration packing of commodities but also in high humidity surroundings because of it's well waterproof function. Our XK3101 weighing indicator is up to IP68 grade.

Ⅰ. MAIN TECHNICAL INDEX

1. Basic Data

DATA / ITEM \ TYPE	3TCS-30	TCS-60	TCS-60	TCS-150	TCS-300	TCS-600
Max. Capa.	30Kg	60Kg	60Kg	150Kg	300kg	600kg
Min. Capa.	20e					
Test Divi.	10g	20g	20g	50g	100g	200g
Display Divi.1	5g	10g	10g	20g	50g	100g
Display Divi.2	2g	5g	5g	10g	20g	50g
Max. Tare	100% Max. Capa.					
Accuracy	Ⅲ					
Pan Size	30X40CM	40X50CM		46X57CM		60X80CM

2. **Working Temperature :** -5~+35℃

3. **Storage Temperature:** -25~+50℃

4. **Power:** 6V4.5Ah rechargeable battery.

Ⅱ. KEYBOARD AND CHARACTER PROMPT

1. Keyboard

(ON/ZERO)   **Turns the scale on and zero.**

(TARE)   **Tare key.**

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(OFF) **Power off.**

(SET/0~9) **Set/Fig. Key. Set parameter and input Fig.**

2.   Character Prompt

dc x.xx: Mean the voltage of battery is x.xx V.

- - - - - -: Show this as the weight over 100%FS+9e, with the ding sounding, this means over load, reduce the weight.

bATLo: The voltage is lower. You can use a short while and charge immediately.

c _End: Recharge is end.

Err - 0: Overload zero of loadcell. Please re-adjust or change loadcell.

III. OPERATION GUIDE

1. Preparation

Put pole inot platform, djust the base foot, watch the level, make the pan in horizontal.

2. Turn on or turn off

2.1 Turn on

Press the **[ON/ZERO]** key, the ding sound, it displays version No. and the battery voltage level and 9,8,7. . . 1,0, the **"ZERO"** lamp lighting. Now the scale is in a working state.

2.2 Turn off

Long- press **[OFF]** key.

2.3 Auto-off

After 10 minutes in zeroing, auto-off. (Refer to 9.3)

2.4 Low voltage auto-off

When the voltage lower than 5.6V, then power-off.

3. Zero

When without taring the weight display is $\leqslant$ 4% Max. capa., press the **[ON/ZERO]** key, the display shows " 0 ", the zero lamp lighting.

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4. **Weighing**

Put weight to pan.

5. **Tare weighing**

PRESS THE **[TARE]** KEY, IT's BEING THINK THE "KIN" TARE, THE WEIGHT DIS-
PLAY IS " 0 " , THE **"ZERO "** LAMP OFF, THE **"TARE"** LAMP LIGHTING. PICK UP
THE WEIGHT AND THE " SKIN", THE WEIGHT DISPLAY IS NEGATIVE, THE **"ZERO"**
LAMP LIGHTING, PRESS THE **[TARE]** KEY, THE **" TARE"** LAMP OFF.

6. **Save power function**

Zero after 40 seconds, auto save power, shows " 0 ". Put a weight start weighing

7. **Battery indicate**.

Battery lamp: **"High"** means voltage higher than 6.3V, **"Mid"** means voltage be-
tween 6V and 6.3V, **"Low"** means voltage lower than 6V.

8. **Charge**

Power supplied by a internal rechargeable lead acid battery (6V/4Ah). When it shows
"-bAtLo-". Please turn off and charge immediately. The time of full charging is 12
hours.

9. **Set parameter**

Press **[SET/0~9]** key 3 seconds to set. Now show menu. Press **[SET/0~9]** continu-
ous it displays :

rAngE(set limit)
UnItS(choose unit)
A-oFF(choose auto power off)
FILt(set display mode)
ZEro(set auto zero)
bUZZEr(set buzzle)
d(choose division)

9.1 **Set range of auto-zero:**

9.1.1 When it shows rAngE, press **[TARE]** and then **[SET/0~9]** to choose on or oFF, on is
start the function,oFF is exit,press **[TARE]** to confrim.

9.1.2 When choose on and press **[TARE]**,now weighing with limit,"under"lighting, max
figure is blinking,press **[SET/0~9]** once to add 1,press **[TARE]** to confirm,when fin-
ishing auto exit and set"over".After setting into weighing.

9.1.3 When low limit > high limit, it displays off,then exit.

9.1.4 **Alarming indicate**

"m" is the weight

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when m ≥ high limit, **"over"** lamp is lighting.
When low limit <m<high limit, **"accep"** lamp is lighting.
When m ≤ l ow limit, **"under"** lamp is lighting.

Caution: When the display is not stabilization, no lamp lights.

9.2 Change unit
9.2.1 When it displays "units", press **[TARE]**, then press **[SET/0~9]** to choose, then press **[TARE]** to confirm and exit.
Unit: H9(kg), 9(g), Lb, Lb.oz, pcs(counting). (We may not choose imperial units when calibrating).

9.2.2 **counting:** When it displays "pcs", press **[TARE]**. Now "pcs" lamp lighting. Longtime press **[ON/ZERO]**, it displays count and return to 0. then put the sample and press **[TARE]**. Press **[SET/0~9]** to add 1 and press **[TARE]** to choose. After finishing it display pcs and pcs lamp lighting.
Exit counting: choose a unit.
Caution: Pick quantities of Max less 30000

9.3 A-oFF(choose auto power off)
When menu displays A-oFF,press **[TARE]** to enter,press **[SET/0~9]** to choose n or y, n is not auto power off,y is after 10 minutes in zeroing, auto-off.

9.4 Change display mode
When it displays "FILtX" (FILt1 means one step to display, FILt2 means 3-4 steps to display, FILt3 means 6-8 steps to display, FILt4 means display is fast). Press **[SET/0~9]** to change, press **[TARE]** to confirm and exit.

9.5 Set range of auto-zero:
When it displays zero, press **[TARE]**, now show zero x.x(x.x is the range:0.5d,1d,1.5d,2d,2.5d,3d,3.5d,4d,4.5d,5d. d is the division value when n=3000). Press **[SET/0~9]** to choose and **[TARE]** to confirm.

9.6 bUZZEr(set buzzle sound on or off)
When menu displays bUZZEr,press **[Tare]** to enter,press **[Set/0~9]** to choose on or off, press **[Tare]** to confirm.

9.7 Change division figure
When menu displays d,press **[Tare]** to enter,press **[Set/0~9]** to choose division.

10. Tune LED lighting
On powering on, long time press **[On/Zero]**, it shows LC-,press **[Set/0~9]** to choose LU-1 or LU-2,LU-1 is saving mode(commend),Press **[Tare]** to confirm.

IV. NOTE

1. Not overloading. Not throw heavy things on the scale violently. The damage for overloading is not within the range of guaranteed maintenance.

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2. Don't use sharp thing to operation the keyboard. If the rubber is damaged it will influence the performance of waterproof.
3. Keep the scale clean in order to weighing well.
4. There is a lead seal on the bottom of the scale. Users are not allowed to remove the seal. If the seal is damaged the scale is not guaranteed for maintenance.
5. a. You must charge the battery at least per 3 months when you don't use the scale for a long time.
   b. Please correctly connect line between adapter and battery, black to black, red to red.
   c. If after charging the used time becomes short than often, please change a new battery.

ADJUSTMENT OF XK3101 INDICATOR

1. Push the adjust key to switch on, the switch is on the bottom of the scale, locked with a seal. .Press "on/zero" key, after a while start to adjust.
2. Press "set/0~9" and "on/zero" key 3 seconds at the same time , then press "set/0~9" to choose c-30,c-60,c-150,c-300,c-1500,c-3000,c-6000(Max. capacity-kg) and press "tare" to confirm.
3. Now it shows 0, if it is not 0, press "on/zero " key.
4. Put a known weight on plate, after stable, press "tare" key to input the value of weight from left to right. Press "set/0~9" key to add 1, press "tare" key to confirm and input the next one. In the end it will show CAEnd and exit calibration. (Please note the situation of demical point).
5. If it displays Err03, means the weight is too light or input error, please re-calibration.

   After calibration the function will be:
   rAngE(set limit): Off
   UnItS(choose unit): kg
   A-oFF(choose auto power off): Off
   FILt(set display mode): 3
   ZEro(set auto zero) : 1e
   bUZZEr(set buzzle): Off
   d(choose division): 3000

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