Operating Manual for TC-KP and TC-KL scales

1. Overview

TC series parcel scale can be used widely in a variety of purposes of weighing measurement, its excellent performance may be satisfied with all the request from the client.

1.1 High precision, hypersensitivity and fast reaction time.

1.2 Using high precision single point load cell, to overcome the general high-precision

2. Specifications and Performance indexes

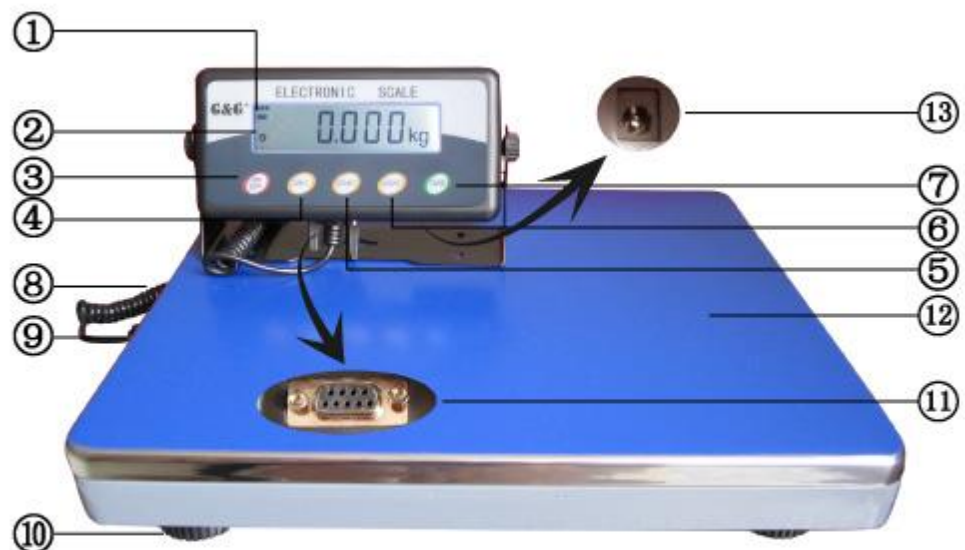| Model	TC8KP	TC15KP	TC30KP	TC30KL	TC60KL	TC120KL
Weighing (max.)	8kg	15kg	30kg	30kg	60kg	120kg
Resolution	0.2g	0.5g	1g	1g	5g	10g
Calibration graduation	10d	10d	10d	10d	10d	10d
Calibrating weight	5kg	10kg	20kg	20kg	50kg	100kg
Dimension of platform	218×300mm			320×380mm		
Power supply	Power adapter AC220V±10% 50Hz±1Hz DC6V/300mA Or Battery 4×AAA					
Temperature	0-40℃					
Humidity	≤80%R.H					

3. Shape and Installation

TC-KP:

1. brand   2. battery symbol   3. on/off switch   4. Unit   5. count 6. light   7. tare
8. data line   9. signal input interface   10. power socket   11. signal output interface
12. Level adjust   13. scale pan

TC-KL:

1. battery symbol   2. LCD display   3. on/off switch   4. unit   5. count   6. Light   7.
tare 8. data line   9. signal output interface   10. Level adjust   11. signal input interface
      12. scale pan   13. power socket

4. Operation manual

 1. Before using the scale, place it on a stable platform and adjust its feet to make the scale level, and 15 minutes power on before using.

2. key function:

2.1 "ON / OFF" key: hold on "ON/OFF" key until the display shows "ON", then displays the battery voltage, scale range, at last, displays from "F----1" to "F-----9" and after a certain time for stabilizing, "0"appears. Holding down the"ON/OFF" key till the displaying windows displays "OFF", the scale will turn off automatically.

2.2. "TARE" key: with empty scale platform, the displaying deviates from zero, pressing "TARE" key, then the displaying will return to zero; If need to tare, first place the container on the platform, after stabilizing, press "TARE" key, the scale displays"0". Then place the article in container, at this time, it shows the net weight of the article, remove the article and the container, the scale shows a negative value of container weight. Still press "TARE" to return to"0".

2.3 "LIGHT" key: press the light key to choose backlight mode. "b OFF" backlight always off, "b ON" the backlight always on, "b AUTO" backlight on when the data changes, off when the data reaches stabilization after 3 seconds.

2.4 "COUNT" key: sampling of article by "COUNT" key to enter the counting state

(1) Choose the quantity of samples: To precisely count the articles, firstly the quantity of samples for counting should be chosen in according with the weights of the articles. The quantity of samples can be chosen from"1-10-20-50-100". For a small number of articles, the larger quantity of samples, the more precise.

(2) Place one or more samples on the empty pan, the balance will show the total weights of samples. Then press "COUNT", the displaying will show "1", at the same time, the right of the displaying show unit "pcs", with indicate that scale is now counting. And all the samples are one unit. Then press "UNIT", the displaying will show between"1-10-20-50-100". The quantity of articles and samples must be the same, and place the similar articles. The total amount of objects is showed, press the "COUNT" again back to the normal situation.

 2.5 "UNIT" unit conversion key

Press "UNIT", the units can be changed between "kg" and "lb".

 3. Calibration method:

calibration need to press and hold "TARE" first, then press "UNIT", the displaying window shows "C XXX" and the scale enters automatic calibrate mode, (XXX should be the weight of standard weights, for example: when displaying showing "C 20" expressed the need to place a standard weight 20kg), at the same time, only place calibrating weights on the platform, after stability, the scale displays the weight of the calibrating weights and the unit "kg", till now the calibration is completed and the scale can be normally used.

5. Setting and meaning

When the scale is off, press and hold "UNIT", then press the "ON/OFF". The scale will now start in the setting mode. Pressing "UNIT" can change the parameters; pressing "TARE" can change the values of parameter.

C1----2 Sensitivity setting 0 1 2 3 4, the larger number is, the less sensible but the better stable.

C2----1 Filtering strength setting 0 1 2 3, the larger number is, the lower reaction speed but the better stable.

C3----1 Auto power off time setting when using batteries. 0: no shutdown; 1: 15minutes; 2: 30minutes; 3: 45minutes; 4: 60minutes.

6. Display information

F----1 Date over display scope

F----2 A/D-switch is defect

F----3 Key is defect

F----5, F----L Sensor signal is defect

F----H Object weight over capacity

C----F calibration error, instability or not at zero point during calibrating

C----H calibration error, items on the pan or at higher zero point during calibrating

E------ Storage calibration data error, re-calibration is necessary

o Calibration zero instruction, when the empty of platform, back to zero shows, if not, it need to be re-calibrated.

7. Packing list

Operating manual: 1 copy
Power line: 1 piece
Scale pan: 1 set
Warranty card, certification: 1 set
Power line: 1 piece
Screw: 2 sets
Holder: 1 set

8. Display information

Problems	Possible causes	Measure to take
Display shows nothing	1.The ON/OFF switch is defect 2.internal circuit is defect 3. batteries are empty 4. A/D switch is defect	1.The ON/OFF switch must be changed 2. Return to the factory to repair 3. + 4. connect to AC power and change the battery
The message F--3	Key short-circuit	Replace the key
The message F--5, F--L, F--2	1. Sensor is defect	1. Replace the sensor
The message F--H	1.Object weight beyond capacity 2.Error by calibration	1.Remove the object 2.Press the "TARE", reading the backup data and then re-calibrate the balance
The message C--F by calibration	Unstable zero or zero not correctly set	Press the "TARE" key with empty pan, the balance shows 0,then calibrate
The message C--H by calibration	1.Object weight beyond capacity 2. Sensor zero is high	1. Remove the object from the pan, press the "TARE" and show "0", then calibrate 2. Adjust the internal zero adjustment of short-circuit chip, exceed the adjust range, replace the sensor.

9. Contakt
In case of any question get in contact with:

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