# ACS series Electronic Counting Scale
# User Manual

TCS/ACS-series electronic weight counting scale is a kind of multi-function measure apparatus. It has the features of precise measuring, simple operating and stable performance. This product adopts advanced software and high precision sensor to support stable capability and long-term use. It is widely used in the fields of commerce and industry.

**Parameter and Function:**

1. Capacity: 3kg/0.1g, 6kg/0.1g, 15kg/0.5g, 30kg/1g

2. Precision: III Grade

3. ZERO: Zero weight equals to capacity weight

4. Over-load alarm: Automatic alarm comes on 0.15% over than the capacity

5. Tare: Tare Weight= Max capacity

6. Operating Current: AC220V,(-15% ~ +10%) 50Hz. It will be used rechargeable battery at DC.

7. Environmental Conditions: 1 Temperature 0℃ ~ +40℃, humidity: 10% ~ 80% RH

8. Standard: JJG555-96

**Keyboard Function and Operation:**

1. Pressing [SAVE] key: Saving the unit weight like price scale, press M1-M4 can pull up the related unit weight.

2. Pressing [Attention] key: When counting, choose or not choose buzzer hint.

3. Pressing [Sample] key: When counting, buzzer hint value setup and down.

**Outer Code Calibration and Short Circuit Calibration:**

Using 6kg, e=0.1g, calibration weight 5g as sample. Entering the calibration weights [2345], press [TARE] key or short circuit to enter calibration mode. At first, setting the decimal point of weight. (Use gram as unit)

1. Display shows:     [DOP] [CAP] [ 0.0 ]

[SAVE] button option 1(option range: 1,2,3).Pressing [TARE] key to confirm, enter the dividing value to adjust.

2. Display shows     [D----1] [CAP] [ 0.0 ]

[SAVE] button 1(option range: 1,2,5,10). Pressing [TARE] key to confirm, enter full range set.

3. Display shows     [D----1] [CAP] [6000.0]

Input 6000.0 or press [TARE] key directly to confirm. Enter calibration weights weight setting.

4. Display shows.     [D----1] [C-ET] [5000.0]

Input the max weigh setting 5000.0 or press [TARE] key directly to confirm.

5. Display shows:     [ 0 ] [LOAD] [0.00]

6. Putting on the weight, wait for a while the press [TARE] key. Calibration done.

Pressing [*] to save any set point set and exit.


**Parameter Setting Procedure:**

1. Enter the password "1234", press [TARE] to enter the parameter modification:

Showing: "ZER1.0 - SET- 0.0" Step 1: Automatic zero tracking range. Press the button to select [SAVE], optional: 0.5d, 1.0d, 1.5d, 2.0d, 2.5d, 3.0d, 3.5d, 4.0d, 4.5d, 5.0d, press [TARE] to enter the next step.

2.    Showing: "F.L-3" -SET- 0.0" Step 2: Filtering strength. Press [SAVE] button to select optional. FILT-1, FILT-2, FILT-3 smaller the number, the greater the intensity filtering, showing slower, press [TARE] to enter next step.

3.    Showing: "DA-0 -SET- 0.0" Step 3: Seismic filter amplitude. Press [SAVE] button to select optional: DA-0, DA-1, DA-2, DA-3, DA-4, DA-5, DA-6, DA-7. 1-7 indicates the range of 1-7 seismic indexing. Press [TARE] to enter the next step.

4.    Showing:"DA-1 -SET- 0.0" Step 4: Seismic filtering time. Press [SAVE] button to select optional: DA-1, DA-2, DA-3 to switch between, 1 is the shortest, 3 is the longest (effect), press [TARE] to enter the next step.

5.    Showing: "Onr-20 -SET- 0.0" Step 5: Power on zero, zero range selection. Press [SAVE] button to select optional: onr-0, onr-10, onr-20, onr-50, switch between, press [TARE] to save and exit. Press [.] set an arbitrary point to save and exit. Press [Add] to enter the following calibration interface.

**Feature Set:**

1.    Alarm Settings

For example: the upper limit of 1000, the lower limit of 500. Press [SET] key to enter the upper limit setting.

Showing: "1000 -0-HH--PCS" Show the last set values or direct input settings. Press [TARE] to enter the lower limit.

Showing: "500- LL- -PCS" Show the last set values or direct input settings. After setting, press the [TARE] key to confirm and exit.

2.    Warning Switch

Press [WARNING] key to switch the alarm mode as shown below:

Showing: "-IN- 0 0.0 " Within the scope of warning

Showing: "-OUT- 0 0.0 " Outside the scope of warning

Showing: "-NO-0 0.0" Without warning, this mode is the default mode boot. Working

**Environment:**

Thanks for purchasing our scale, please pay attention before using the scale:

1.    Work temperature: O'C-+40'C Storage Temperature: -10`C-+50'C

2.    Working humidity: q.H<90%

3.    AC power: Rated voltage variation -15% to +10%

4.    DC power: The machine is equipped with 6V/4AH sealed lead acid battery, charging 12-15 hours, you need to plug the power cord when charging.

**Attention:**

1.    Cannot work in corrosive gases or storage.

2.    Cannot work in vibration environment.

3.    Avoid the rain and collisions.

4.    Cannot use organic liquid scrub(eg: banana oil, ammonia, benzene, etc.)

**Machine and Accessories**

Host computer*1, Pan*1, Dust ring*5, User manual*1, Sealed lead-acid battery*1