



ELECTRONIC SINGLE/DUAL DISPLAY

USER'S MANUAL

Thank you for using our **ACS-3S/NEW SU** serial single/double side displays product of electronic waterproof weighing/counting scale. New SU are plastic scales and 3S a stainless steel 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.

I . MAIN TECHNICAL INDEX

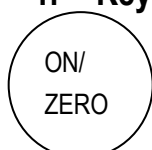
1 . Basic Data

DATA \ TYPE	3S/NEW SU-600	3S/NEW SU -1.5	3S/NEW SU -3	3S/NEW SU -6	3S/NEW SU -15	3S/NEW SU -30
ITEM						
Max. Capa.	600g	1500g	3000g	6000g	15kg	30kg
Min. Capa.	20e					
Test Divi.	0.2g	0.5g	1g	2g	5g	10g
Display Divi.1	0.1g	0.2g	0.5g	1g	2g	5g
Display Divi.2	0.05g	0.1g	0.2g	0.5g	1g	2g
Max. Tare	100% Max. Capa.					
Accuracy	III					
Pan Size	3S/NEW SU 19×23 cm					

2. Working Temperature : -5~+35°C
3. Storage Temperature: -25~+50°C
4. Power: 6V4.5Ah rechargeable battery.
5. Net Weight: 3.6kg/pc
6. Dimension: 4pcs/ctn, 58x35x30cm

II . KEYBOARD AND CHARACTER PROMPT

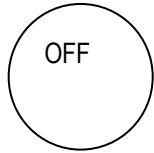
1. Keyboard



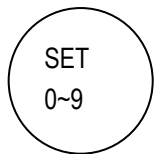
Turns the scale on and zero.



Tare key.



Power off.



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.

-AdC-: As the A/D change overflowing, display shows this with the ding sounding

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

Adjust 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.

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 $\leq 4\%$ Max. capa., press the [ON/ZERO] key, the display shows " 0 ", the zero lamp lighting.
 4. **Weighing**
Put weight to pan.
 5. **Tare weighing**
Press the [TARE] key, it's being think the "skin" tare, the weight display 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 between 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] continuous 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)
 - on-rA(choose range of power on)
 - d-dP(choose single or dual display)
- 9.1 **Set of upper and low limit:**
 - 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 finishing 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

when $m \geq$ high limit, “**over**” lamp is lighting.

When low limit $<$ m $<$ high limit, “**accept**” lamp is lighting.

When $m \leq$ low 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 buzze 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.

9.8 On-rA(choose range of power on)

When menu displays On-rA , press [TARE] to enter , press [SET/0~9] to choose 100, 100 is 100% capacity. Press [TARE] to confirm.

9.9 d-dP(choose single or dual display)

When menu displays d-dP , press [TARE] to enter , press [SET/0~9] to choose n or y, n is single display , y is dual display, Press [TARE] to confirm.

10. Tune LED lighting

On powering on, long time press **[zero/on]**, 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.
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.

CALIBRATION OF SS SCALE (Version 3S-5.3or5.4)

A. Multi-point adjust:

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 the same time, choose weighing units-kg, lb or counting function, press tare to confirm. Then the display shows “c”. “c” is the Max. capacity, press “set/0~9” to choose c-600,c-1500,c-3000,c-6000,c-15H9(15kg),c-30H9(30kg) and press “tare” to confirm.
3. Now it displays 1/3 Max capacity, then display 0. (If is not 0, press “on/zero”)
4. Put the displayed weights on the centre of the plat, after it shows stable, press the “tare”, it shows 2/3 Max capacity. Then put the displayed weight it displays Max capacity, put the displayed weight. Press “tare”.
5. Now it shows c-0, “c” is flashing. Now change gravity. Press “ on/zero “ to add 1 internal number, Press “set/0~9” to reduce 1 internal number. 60000 internal number means the max. capacity. Press “tare” to exit adjustment.
6. Push the adjust key to switch off.

B. One-point user ADJUST:

Push the adjust key to switch on. Press “tare” 3 seconds, display “CAL””0”. Press “tare” to confirm zero. Put the Max capacity weight, after 5 seconds press “tare”, it shows CAEnd and exit adjustment. Push the adjust key to switch off.

NOTE: After changed loadcell or PCB, if you need adjust but it shows “Err-0”, it means zero is not in the limited range. Then after power on please press “tare” immediately, it will go into adjusting.