

**ELECTRONIC SINGLE/DUAL DISPLAY
WEIGHING/COUNTING SCALE**

**TPS SUPUPER SS
USER MANUAL**



Thank you for choosing our **TPS Super SS** single/double side display electronic waterproof weighing/counting scale. The new SU model is made of plastic and the 3S is made from stainless steel. The scale is manufactured with advanced computer-controlled techniques. It exhibits high accuracy weighing performance, convenient for carrying but also being 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 its waterproof function.

I . MAIN TECHNICAL INDEX

1 . Basic Data

MODEL	TPS1.5SUPER SS	TPS3SUPER SS	TPS6SUPER SS	TPS15SUPER SS	TPS30SUPER SS
Max. Capacity	1.5 kg	3 kg	6 kg	15 kg	30 kg
Min. Capacity	20e				
Division size (Option 1)	0.5 g	1 g	2 g	5 g	10 g
Division size (Option 2)	0.2 g	0.5 g	1 g	2 g	5 g
Division size (Option 3)	0.1 g	0.2 g	0.5 g	1 g	2 g
Max. Tare	100% Max. Cap.				
Accuracy	3				
Pan Size	(190 x 230) mm				
Scales	220 (L) X 170 (W) X 140 (H) (mm)				

2. Working Temperature : -5°C to +35°C
3. Storage Temperature: -25°C to +50°C
4. Power: 6V4Ah rechargeable battery.
5. Net Weight: 3.6kg/pc
6. Dimension: 4pcs/ctn, 58x35x30cm

II . KEYBOARD AND CHARACTER PROMPT

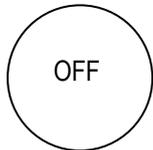
1. Keyboard



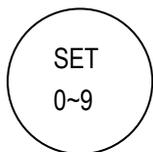
Turns the scale on and zero.



Tare key.



Power off.



Set up / Configuration key. Set parameter and input configuration.

2. Error Messages

dc x.xx Means the voltage of battery is x.xx V.

----- (with buzzer sounding)
Weight is over 100% full scale + 9e – scale is overloaded. Reduce the weight on the scale.

-AdC- (with buzzer sounding)
A/D unstable. Possible load cell fault.

-BATLo- Low battery - charge immediately.

C_End Charging complete.

Err-0 Overload zero of load cell. Please re-adjust or change load cell.

III. OPERATION GUIDE

1. Preparation

Level the scale and make sure the pan is horizontal by adjusting the base feet, and using the built-in spirit level for accuracy.

2. Turn on

Press the **[ON/ZERO]** key. The buzzer will sound and the display will show the battery voltage level, followed by the machine version number, and then a countdown from 9 to 0. The machine will then show '0' and the scale is ready to use.

2.1 Turn off

Turn the machine off by holding down the **[OFF]** key.

2.2 Auto-off (Optional)

After 10 minutes of inactivity, the machine will automatically turn itself off.

2.3 Low voltage auto-off

When the battery voltage falls below 5.6V, the machine will power-off.

3. Zero

When the weight displayed is lower than 4% of maximum capacity, the **[ON/ZERO]** key, will, when pressed, zero the display.

4. Weighing

Put weight on pan.

5. Tare weighing

Place container or item on scale and press the **[TARE]** key. The display will then tare off and will show '0', and the tare LED light will be on. To clear the tare, press the **[TARE]** key, and the LED light will turn off.

6. Save power function

After 40 seconds of inactivity, the machine will switch to auto power save and the display will show " 0 ". Put a weight on the scale to start weighing again.

7. Battery indication

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

The power is supplied by an internal rechargeable lead acid battery (6V/4Ah). When the display shows “-bAtLo-”, please connect the machine to a mains supply and charge immediately. The time of full charging is 12 hours.

9. Set parameters

Press **[SET/0~9]** key for 3 seconds. The display will now enter into the parameter menu. Press **[SET/0~9]** continuously to scroll through each parameter, as follows :

rAngE	(set limit)
UnItS	(choose unit)
A-OFF	(choose auto power off)
FILt	(set display mode)
Zero	(set auto zero)
bUZZEr	(set buzzer)
d	(choose division)
On-rA	(choose range of power on)
d-dP	(choose single or dual display)

9.1 Set range of auto-zero:

9.1.1 Range (check weighing)

Press the **[SET]** key for 3 seconds. The display shows ‘range’. Press the **[TARE]** key. The display shows ‘off’. Press the **[SET]** key. The display shows ‘on’. Press the **[TARE]** key. The display shows ‘00000’, and the under LED will flash. Enter the lower limit of the product, eg, 995. Press the **[TARE]** key to move right, and the **[ZERO]** key to increment up. After entering the last digit, the display shows ‘00000’, and the over LED will flash. Enter the over limit of the product, eg, 1005. After entering the last digit, the display will show ‘0’. Place the product on the scale. When the scale displays a stable weight, the under accept over LED will be illuminated.

To return to normal weighing, press **[SET]** for 3 seconds. The display shows ‘range’. Press **[SET]** key until ‘units’ is displayed. Press the **[TARE]** key. Press the **[SET]** key until ‘g’ is displayed. Press the **[TARE]** key. The scale is now in normal weighing.

Caution: When the display is not stable, no Led lamp will be on.

9.2 Changing weighing units

9.2.1 When “units” is displayed, press **[TARE]**, then press **[SET/0~9]** to choose, then press **[TARE]** to confirm and exit.

Unit: H9(kg), 9(g),Lb,oz,pcs(counting). (Imperial units may not be chosen when

calibrating).

9.2.2 Pcs Counting: Press **[SET]** key for 3 seconds. The display will show 'Range'. Press **[SET]** key until 'units' is displayed. Press the **[TARE]** key. The display shows 'g'. Press the **[SET]** key until 'pcs'. Press the **[TARE]** key. The 'pcs' LED will be on. Put the sample quantity onto the scale. Press and hold the **[ZERO]** key. The display shows '00000', and the 'pcs' LED will be flashing. Press the **[TARE]** key. The display shows '00000' with the left hand digit flashing. Use the **[TARE]** key to move right and the **[ZERO]** key to increment up. Enter the sample quantity, eg, 200. Press **[TARE]**. The display will now be in count mode and show the sample quantity measured, eg, 200.

To return to normal weighing mode, press **[SET]** for 3 seconds until 'units' is displayed. Press the **[TARE]** key. The display shows 'pcs'. Press the **[SET]** key until 'g' is displayed. Press the **[TARE]** key.

9.3 A-off (choose auto power off)

When menu displays A-off ,press **[TARE]** to enter ,then press **[SET/0~9]** to choose 'n' or 'y'. 'n' is auto power off , 'y' is auto power off after 10 minutes of inactivity.

9.4 Change display filtering

When the display shows "FILtX" (FILt1 means one step to display, FILt2 means 3-4 steps to display, FILt3 means 6-8 steps to display, FILt4 is the fastest filter setting). Press **[SET/0~9]** to change, press **[TARE]** to confirm and exit.

9.5 Set range of auto-zero:

When 'zero' is displayed, press **[TARE]**. The display will 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 buzzer sound on or off)

When menu displays bUZZEr , press **[TARE]** to enter , press **[SET/0~9]** to choose on or off, and then press **[TARE]** to confirm.

9.7 Change division size

When menu displays d , press **[TARE]** to enter , and then press **[SET/0~9]** to choose division increment size.

9.8 On-rA (choose range of power on)

When menu displays On-rA ,press **[TARE]** to enter ,press **[SET/0~9]** to choose 20 or 100, 20 is 20% max. capacity, 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.

10.0 Power save LED lighting

On powering on, press and hold **[zero/on]** key. The display shows LC- , press **[SET/0~9]** to choose LU-1 or LU-2 , LU-1 is saving mode (recommended). Press **[TARE]** to confirm.

11.0 Super SS Calibration

1. Remove calibration cover under scale and turn on the calibration switch.
2. Switch on the scale and while the display counts down, press and hold the **[TARE]** key. The display will show 'CAL' and then go into zero counts mode. With nothing on the scale the display should show '0'; if not press the **[ZERO]** key.
3. When the display shows '0' press the **[TARE]** key
4. The display will then keep flashing the weight to be used for calibration, eg. 6000g
5. Put on the correct weight, eg 6000g, and press the **[TARE]** key
6. The display will show 'CAL END' and then return to normal weighing
7. Switch the calibration switch back to off position and replace the calibration cover under the scale
8. Switch the scale back on and check with test weights

IV. SCALE MAINTENANCE

1. Take care not to overload the scale. Do not place heavy things on the scale violently. The damage for overloading is not within the range of the guarantee.
2. Do not use sharp objects to operate the keypad. If the rubber is damaged it will influence the performance of the waterproof seal.
3. Keep the scale clean in order to maintain performance.
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 guarantee is void.
5. a. You must charge the battery at least once every 3 months during periods of scale inactivity.
b. Please take care to correctly connect the battery terminals (ie, black to black, red to red).
c. If the battery life seems short, even after frequent charging, please replace with a new battery.

01		<p>The Photo TPS600 Super SS TPS1.5 Super SS TPS3 Super SS TPS6 Super SS TPS15 Super SS TPS30 Super SS</p>	
02			
03		<p>Loadcell Super SS</p>	
04			