

User Manual

ACS series electronic weighing scale

Technical Parameter

Maximum Capacity				
1.5kg	3kg	7.5kg	15kg	30kg
Resolution				
0.5/1g	1/2g	2/5g	5/10g	10/20g
Platter Dimension		182*226mm		
Power Supply		220V/50Hz or 6V/5Ah rechargeable lead-acid battery of maintenance free		
Display		6 digit red LED, six level adjustable		
Operation Temperature		-10℃~+40℃		
Environment Humidity		humidity≤95%		
Tare Range		Full capacity, net weight range decreases accordingly when there is a tare weight.		
Option Accessory		stainless steel platter		

Packing List

S/N	Description	Qty
1	Electronic weighing scale	1 unit
2	Adapter	1 pcs
3	User manual	1 pcs
4	Quality certificate	1 pcs

Notice

- 1.Wipe scale's body and platter with semi-dry cloth, and please don't put it into water.
- 2.Do not touch chemicals to avoid corrosion.
- 3.The battery is charged automatically after AC connection. It costs 12 hours to full capacity after empty. The operation duration according to LED brightness. Please charge battery to full capacity for the first time.
- 4.The lead-acid battery is maintenance free. Low self-discharge rate and long service life. Operation temperature is -10℃~+40℃, cycle charging and discharging is 300 times.
- 5.Lead acid battery damages if cathode and anode is short circuited or reverse connection. The correct way is red wire to red mark plug and black wire to black mark plug.
- 6.Please keep battery away from oil, water and other chemicals, or the battery service life will be affected. Please don't disassemble or repair battery by yourself. Keep battery away from fire.
- 7.Please charge battery in time after empty. Please take out if long time no use to avoid the scale damage due to battery leaking, and please charge to full capacity to keep. The battery should be charged one time every three months.
- 8.Please fasten the AC rubber after charging to avoid corrosion due to moisture.
- 9.Lead acid battery is consumable and service life is related to using method.

Installation/Operation

1. Put scale on firm flat surface and adjust feet (rotate feet). Adjust water bubble of level indicator on panel to the circle center and keep it stable.
2. Insert adapter into power socket.

Change Battery

1. Open battery lid with slotted screwdriver to loosen screws.
2. Pull out the plug of battery and wires, take out battery, change new battery, not reverse connection.
3. Cover the battery lid, fasten the screws with slotted screwdriver.

Keys

- 【ZERO/ON/OFF】 : to zero weight or turn on and turn off
- 【TARE】 : remove the weight of package or platter

Light Indications

- zero: at gross zero
- net weight: at net weight
- g: at gram of measurement unit
- kg: at kilogram of measurement unit
- power indications: green at high power
 - red at low power
 - flickering red near to power off
 - yellow at charging
 - “Lo bAt” appears at certain low power, stopped working, need charging

Turn On

Make sure nothing on platter, then press 【ON/OFF】 , it begins self-checking, displaying full 8 and all lights, software version and -----, at last zero light, then go into weighing state, as follows:

weight (g)
0
▶ zero ▶ g kg ▶ net

Turn Off

Press 【ON/OFF】 at weighing state until it appears as follows .

weight (g)
OFF
▶ zero ▶ g kg ▶ net

Weighing Operation

Put stuff on platter (e.g. 500g), and displays as follows.

weight (g)
500
zero ▶ g kg net

Zero Operation

At gross weight, weight within $\pm 2\%$ of full capacity, press **【ZERO/ON/OFF】** to zero, back to gross zero. Suitable for no stuff on platter, not zero weight, and make it back to zero.

Tare Weighing

1. Put container or package (50g) on platter. Press **【TARE】**, net weight light displays.

weight (g)
0
zero ▶ g kg ▶ net

2. Put stuff (400g) into container or package, and net weight displays.

weight (g)
450
zero ▶ g kg ▶ net

3. Repeat first step to tare continuously .

4. Remove stuff and package, and tare weight displays.

weight (g)
450
zero ▶ g kg ▶ net

5. Press **【TARE】** to back to gross zero weight.

LED brightness

1. Press **【TARE】** until **【F1 0】** appears, and enter into parameter setting.

2. Press **【ZERO/ON/OFF】** one time, **【F2 3】** appears.

3. Press **【TARE】** to choose. 0 highest brightness, 1、2、3、4、5 brightness decreases in turn, and power consumption decreases in turn.

4. Press **【ZERO/ON/OFF】** to choose brightness, then press **【TARE】** step by step, enter into end option **【E 0】**, press **【TARE】** to choose 1, press **【ZERO/ON/OFF】** to confirm, save revised setting and sign out setting, and back to weighing state.

Error Code

display	error	solution
tooLJ	calibration error	<ol style="list-style-type: none"> 1.Re-calibrate, and use correct weights during calibration. 2.Not eliminated, re-calibrate after restarting. 3.Not eliminated, check the wires under platter or change new loadcell.
E18	EEPROM verification error	<ol style="list-style-type: none"> 1.Press any button to restart. 2.Not eliminated, change new pcb.
E19	EEPROM hardware error	Turn off, and change new pcb.
nnnnnn	overload weight exceed 9d of full capacity	Remove the weight on platter until it disappears.
uuuuuu	underload weighing less than 20d	<ol style="list-style-type: none"> 1.Put scale on flat surface. 2.Press 【ZERO/ON/OFF】 . 3.Not eliminated, restart.

display	error	solution
-----	power on zero clearing	<ol style="list-style-type: none"> 1.Press 【ZERO/ON/OFF】 , check if it goes back to zero. 2.Not eliminated, turn off, restart with no stuff on platter. 3.Check if loadcell and pcb are connected firmly. 4.Re-calibrate. 5.Change new pcb and re-calibrate. 6.Change new loadcell and re-calibrate.
LO BAt	low power	Change battery or charging
OFF	manual turn off	Power off notice
	auto turn off	Check auto power off setting, close the function in user manual if no use.
	instant appearing after turning on	Please charge instantly due to too long time use.