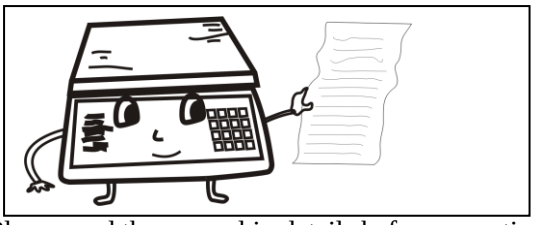
WEIGHING SCALE user manual

Model: AWT

Please read this manual carefully before operation
----Important safety info
----Operating condition and other attentions
----Guarantee info

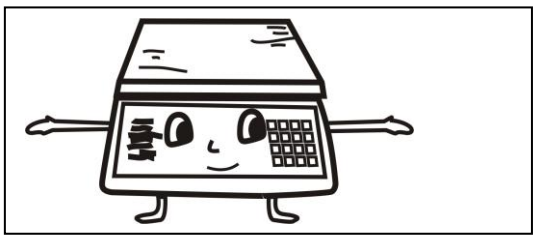
GRAVITY MEASUREMENT, INC.

Important Safety And Operation Info

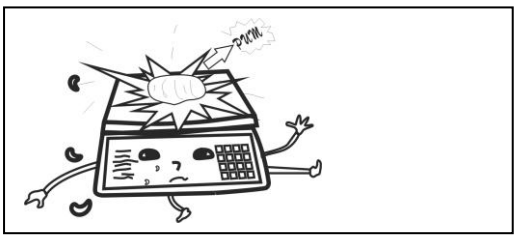


Please read the manual in details before operation

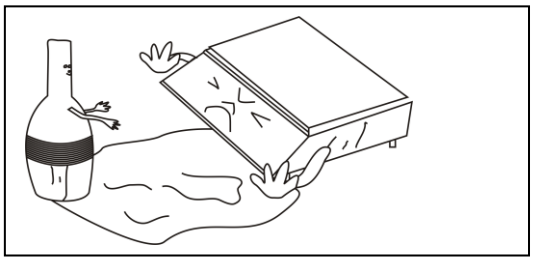
Please use the right plug and right voltage
Be much attention of 110V or 220V!!!



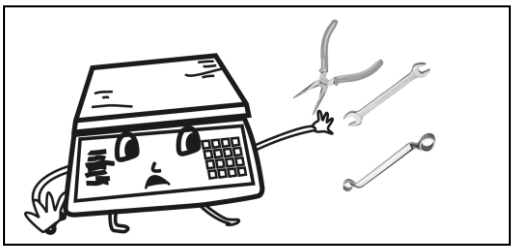
Adjust the bubble level on the balance position



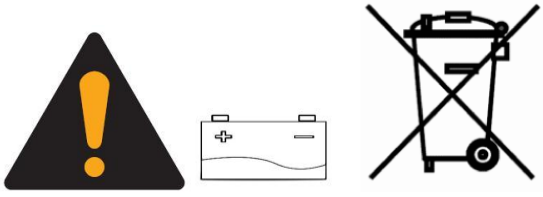
Don’t hit the platform rudely and overload



Don’t put the chemical liquid or other liquids
to avoid damage to the scale



Don’t open the scale by yourself and please call
the service people or our distributor when you get
the problem



Please recharge the scale on time to assure the health of the battery, and replace the battery if it runs out of life. The replaced battery must be handled correctly.

INDEX

Specifications	4
Power	4
Before using	4
System power consumption	4
Display description	4
Basic function operation	5
Basic parameter setting	5
UF-1 Internal value and battery voltage	5
UF-2 High / Low limits setting	6
UF-3 Auto-power off	6
UF-4 Standby time setting	7
UF-5 No function	7
UF-6 No function	7
UF-7 Speed setting	7
UF-8 Zero tracking	7
UF-9 G Value setting	8
Weight Calibrations	8
ECF-1 Zero and Span Calibration	8
ECF-2 Zero Calibration	8
ECF-3 Span Calibration	9
Guarantee	9

SPECIFICATIONS

Accuracy: Class III
Nonlinear: ≤0.01%F.S
System working voltage: DC:5V
Maximum A/D converting: 24bit
Sample rate: 30 times per second (can select)

POWER

Input: 120~240V
Output: 8V/1A
Rechargeable battery: 6V/5AH

BEFORE USING

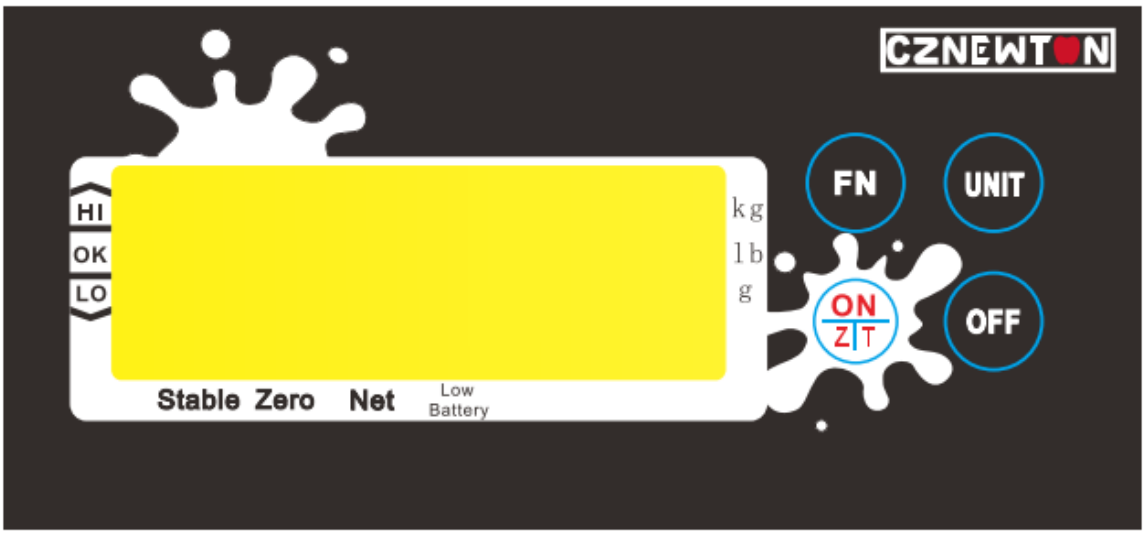
1) Place this product on a firm and smooth place, don´t place it in vibration or shaking, use bench for use on four only adjust foot, adjust the balance using the bubble level.
2) Use independent source, avoid other electrical disturbance.
3) Don´t put any object on the platter when turn on the balance.
4) Please, turn on 2-3 minutes before using.
5) Avoid temperature change too large and air flow strenuous sites.
6) Don´t overload the balance, don´t exceed the maximal capacity.

SYSTEM POWER CONSUMPTION

Main system power consumption: about 20mA
Battery life: about 250 hours.

DISPLAY DESCRIPTION

AWT Model:



BASIC FUNCTION OPERATION

Press and hold this key for 2 seconds to turn off the balance.

Function 1. Press this key to turn on the balance.
Function 2. To reset the weight to 0 ,but the displayed weight value has to be less than ± 2% of maximum capacity.
Function 3. To subtract the container weight,tare range is 2% of full capacity till full capacity.
Function 4. Key of confirmation in setup mode.
Function 5. To move one space to right.

Function 1. To select the desired weight unit.
Function 2. To exit from setup mode.

Function 1. In weighing status,press this key in external function setup mode UF-1.
Function 2. In weighing status,press this key for more than 2 seconds in external calibration function setup mode ECF-1.
Function 3. To increase values upward in setup mode.

BASIC PARAMETER SETTING

To access to functions setting, press the

key in weighing mode.Press the

key to select the parameter (UF-1 ~ UF-9)

UF-1 Internal value and battery voltage

1. Press the

key to view the A/D count, such as 73286.

2. Press the

key to view the the battery voltage,such as bAt 6.2.

3. Press the

key to return back to UF-1 .

4. To move to next parameter press the FN key.

5. To exit and return to normal weighing press the UNIT key.

UF2 High / Low limits setting

1. Press the ON/ZT key to enter.

2. The display will show 00.000L (set low limit).

3. Use the ON/ZT key to move cursor and press the FN to select number.

4. Press the ON/ZT key to confirm.

5. The display will show 00.000H (set high limit).

6. Use the ON/ZT key to move cursor and press the FN to select number.

7. Press the ON/ZT key to confirm.

8. The display will show 0 .000 ,look at the remarks below.

9. Use the ON/ZT key to move cursor and press the FN to select number.

10. Press the ON/ZT key to confirm.

Remarks: 0 0 0

A B C

A --- Buzzer on: 0= Stable not required 1= Stable required

B –- LED indicator: 0= Stable not required 1= Stable required

C : Buzzer beeps when: 0= Buzzer off 1= OK 2= LO and HI

- Low limit set as 0 will clear all check weigh values.

UF3 Auto-power off

Modes: AoFF00 :Auto-turn off disable.

AoFF01 : The balance will automatically turn off after 1 minute of non use.

This time can be set up to 99 minutes.

1. Press the ON/ZT key to access to auto-power configuration.

2. Use the ON/ZT key to move cursor and press the FN to select number.

3. Press the ON/Z|T key to confirm.

UF-4 Standby time setting

Modes: dSP 10 : The balance will standby time 10s.

1. Press the ON/Z|T key to access to standby time configuration.
2. Use the ON/Z|T key to move cursor and press the FN to select number.
3. Press the ON/Z|T key to confirm.

UF-5 No function

UF-6 No function

UF-7 Speed setting

Modes: SPEEd 1 : High speed
SPEEd2 : Standard speed
SPEEd3 : Low speed

1. Press the ON/Z|T key to access to enter.
2. Use the FN key to select number.
3. Press the ON/Z|T key to confirm.

UF-8 Zero tracking

Modes: ZP 0 : OFF
ZP 1 : One division tracking at zero
ZP 2 : Two division tracking at zero
ZP 3 : Three division tracking at zero
ZP 4 : Four division tracking at zero
ZP 5 : Five division tracking at zero

1. Press the ON/Z|T key to access to enter.

2. Use the FN key to select number.

3. Press the ON/Z/T key to confirm.

UF-9 G Value setting

1. Press the ON/Z/T key to display the G value of manufacture place.
2. Use the ON/Z/T key to move cursor and press the FN to select number.
3. Press the ON/Z/T key to confirm.

Weight Calibrations

1. In weight mode, press the FN key for more than 2 seconds, the display will show ECF-1 .
2. Press the FN key to select ECF-1, ECF-2 or ECF-3 .

ECF-1 Zero and Span Calibration

1. Press the ON/Z/T key to enter, display will show CAL2.
2. Press the ON/Z/T key to calibrate zero point.
3. The display will show the calibration weight 6.000 .
4. Use the ON/Z/T key to select the digit,press FN key to input the weight value.
5. Put the calibration weight on the platter and press the ON/Z/T key to calibrate.

   The scale will return back to weighing mode automatically.

ECF-2 Zero Calibration

1. Press the ON/Z/T key to enter, display will show CAL2.

2. Press the ON/Z|T key to calibrate zero point.

3. The scale will return back to weighing mode automatically.

ECF-3 Span Calibration

1. Press the ON/Z|T key to enter, display will show the calibration weight 6.000 .

4. Use the ON/Z|T key to select the digit,press FN key to input the weight value.

5. Put the calibration weight on the platter and press the ON/Z|T key to calibrate.

The scale will return back to weighing mode automatically.

GUARANTEE

This scale is guaranteed for one year from the delivery date. The guarantee covers any fabrication defect of the material.

During this period Gravity covers the labour cost and the spare parts necessary for the reparation of the scale.

This guarantee does not cover the failures caused by an inappropriate use or overcharge.
The guarantee does not cover the freight cost (transport) necessary to repair the scale.

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