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Operating Manual

Check Weigher Scales

CW Series



INTRODUCTION

All scales come complete with an easy to clean stainless steel top and base cover, and a large LCD display that is easy to read.



The keyboard has 17 easy to use function keys: ON/OFF, MODE, GROSS/NET, ZERO, TARE, CALL, SET, and 0~9.

With the standard AC adapter included and the facility for batteries, the scales can be used in a fixed location or as a portable scale.

POWER

1. The scale use 15V 300mA adaptor.
2. The scale also can use 6 alkaline C-type batteries.

LOW BATTERY POWER

1.  (Low battery indication) will display on LCD display when battery's power is insufficient to power the scale.
2. When  is displayed, plug in the AC adaptor for operations or replace new batteries.

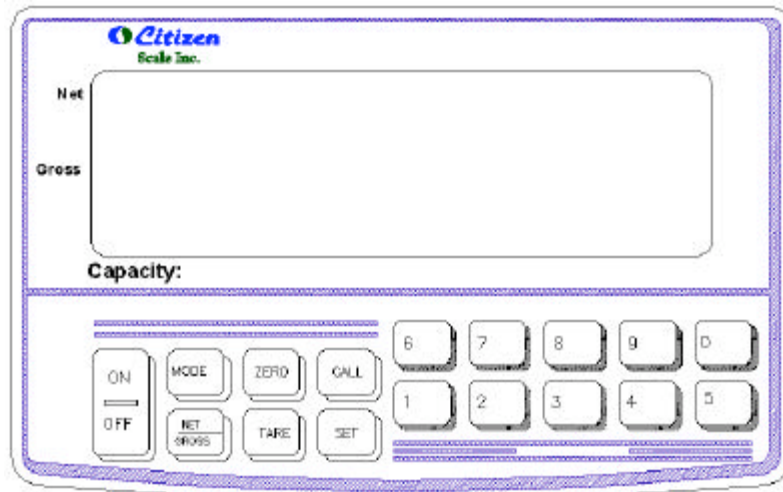
AC ADAPTOR OPERATION

Note: Always fit the Adaptor to the scale BEFORE connecting to an electrical outlet. Disconnect from the electrical outlet BEFORE disconnecting the adaptor from the scale.

SPECIFICATIONS

Model #		CW		
Capacity	15 kg x 0.005kg	30 kg x 0.01 kg	60 kg x 0.02 kg	150 kg x 0.05 kg
Tare Range	Full range			
Units of Measure	Kg, lb, oz			
Calibration Weight Units	Kg, lb			
Display	1.2 inch 5 1/2 digital actives			
Key functions	ON/OFF, MODE, NET/GROSS, ZERO, TARE,			
Power supply	6 alkaline C-type batteries / AC adapter (15V			
Operation Temperature	5? ~ 35?			
Dimensions	Base: 450 x 350 x 80mm (without adjustable feet)			
Feet	Adjustable			
Material	Stainless Steel			

FUNCTION KEYS



Description:

1. **ON/OFF**: Switch on / Switch off
2. **MODE**: Toggle between weight units mode and counting mode
3. **ZERO**: Press this key to return to zero. (Full capacity 2%)
4. **CALL**: 1) Press numerical key (0~9) firstly, then press the CALL button to call out stored checking weight value.
2) In checking weight mode, press this key to call out setting value.
5. **NET/GROSS**: Toggle between net and gross weight
6. **TARE**: Put a container on the scale, press this key to tare the weight, and the tarred value is stored.
7. **SET**: 1) Press numerical key (0~9) and then press the SET key to enter into checking weight setting mode.
2) In counting mode, press the SET key to select sampling quantity.
3) In weighing mode, press and hold the SET key for 3 seconds to enter into function setting mode.
8. Numerical key (0~9)

COUNTING PROCEDURE

1. Press **MODE** key to enter into counting mode, the display will show as below:



2. Under counting mode, press **SET** key to reach the desired sampling quantity.



Note:

- 1) There are four counting modes: 10pcs, 25pcs, 50pcs, 100pcs
(Press **SET** key once to choose “10 pcs”; press twice to choose “25 pcs”; press three times to choose “50 pcs”; press four times to choose “100 pcs”)
- 2) If choose **Ad. 10** but required sampling quantity on the platform, LCD will show “10 pcs” and the scale is ready for counting.
- 3) Press **MODE** key to exit counting mode.


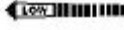

SET UP CHECK WEIGHING VALUE

1. In weighing mode, press numerical key, and then press **SET** key to enter into a checkweighing setup mode. The display will show as below:



2. Key in the desired **SET** key. The display will show as below: lower check weight, and press



3. Key in the desired upper check weight, and press **SET** key. The checkweighing setup process is finished. The device is under checkweighing mode
4. In the left bottom of LCD shows the checkweighing sets (up to 1 ~ 10 sets)
Load weight on platform. If loaded weight is in the setting weighing range, 5. 5. LCD will show  and the buzzer will continually beep.
6. If loaded weight under lower limit, LCD will show  to remind the operator the loaded weight is not within the setting range.
7. If loaded weight over upper limit, LCD will show  to remind the operator the loaded weight is not within the setting range.
8. To exit the check weighing mode, please press **0** key and then press **CALL** key.

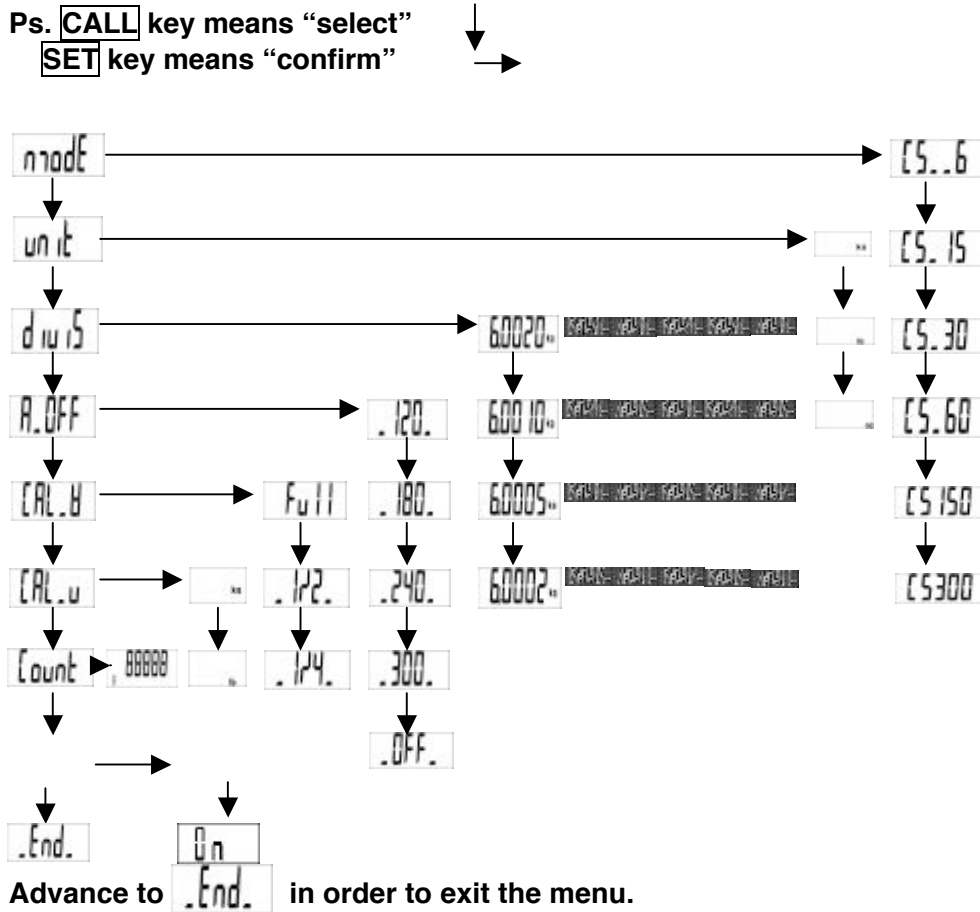
Note:

- ? **If the upper limit is lower than the lower limit, the buzzer will beep-beep-beep to remind the operator the setup is incorrect. The device will auto clear the upper check weight and return to the last step – upper check weight setup.**
- ? **If operator does not key in checkweight within 10 seconds after entering into checkweighing mode, the device will auto end the setup.**
- ? **Under normal weighing mode, press numerical key and then press **CALL** key to enter into check weighing mode. The device will show upper and lower check weight, and activate the check weighing function.**
- ? **Under check weighing mode, press **CALL** key to call out the existed upper and lower check limit.**
- ? **Checkweighing function both in normal weighing mode and counting mode. Under normal mode, it stands for weight. While under counting mode, it stands for quantity.**

SET FUNCTIONS

The scale can be set as desired for the user. Press **SET** key for 3 seconds to enter setting function mode. The scale will go into the following SET MODE:

Ps. **CALL** key means “select”
SET key means “confirm”



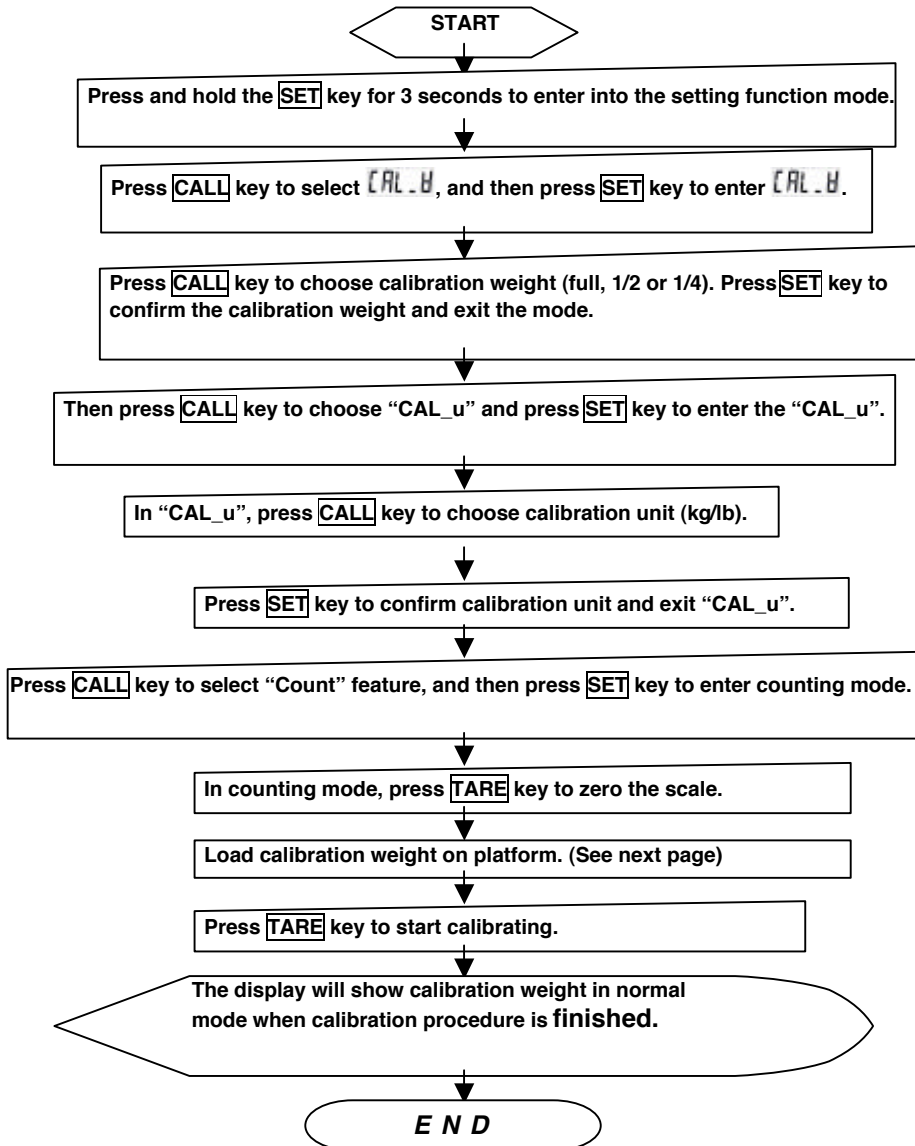
Description:

1. **mode**: Capacity mode

Mode	Division
CW_15	15.0050
CW_30	30.010
CW_60	60.020
CW150	150.050

2. **unit**: Weight unit (kg, lb, lb:oz)
3. **div**: Division
4. **A_OFF**: Auto off time (120 sec/180 sec/240 sec/300 sec/off)
5. **CAL_H**: Calibration Weight (full capacity, 1/2 of full capacity, 1/4 of full capacity)
6. **CAL_u**: Calibration weight unit (kg/lb)
7. **Count**: Counting mode
8. **trAd**: Trade

CALIBRATION PROCEDURE



The operator can choose **full capacity, 1/2 or 1/4 of full capacity** to calibrate:

1. Full capacity

CAPACITY	CALIBRATION WEIGHT (KG)	CALIBRATION WEIGHT (LB)	Span range
15Kg	10Kg	20Lb	80000~120000
30Kg	20Kg	40Lb	80000~120000
60Kg	50Kg	100Lb	100000~150000
150Kg	100Kg	200Lb	80000~120000

2. 1/2 of full capacity

CAPACITY	CALIBRATION WEIGHT (KG)	CALIBRATION WEIGHT (LB)	Span range
15Kg	5Kg	10Lb	40000~60000
30Kg	10Kg	20Lb	40000~60000
60Kg	20Kg	50Lb	32000~60000
150Kg	50Kg	100Lb	40000~60000

3. 1/4 of full capacity

CAPACITY	CALIBRATION WEIGHT (KG)	CALIBRATION WEIGHT (LB)	Span range
15Kg	2Kg	5Lb	16000~24000
30Kg	5Kg	10Lb	20000~30000
60Kg	10Kg	20Lb	16000~30000
150Kg	20Kg	50Lb	16000~24000

ERROR MESSAGE

1. Low Battery -

If this message is displayed, it indicates the battery needs to be replaced.

Solution: Replace the battery or plug the AC adaptor for operations.



2. Below Zero -

The scale senses a weight value that is less than the allowable limit.

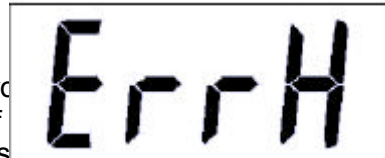
Solution: Re-power on the scale again. If the message continues, the operator should ask the maintenance men to check the scale.



3. Over Zero -

This message indicates that operator has put too much weight on the scale when operator turned the scale on.

Solution: Remove the excess weight from the scale platform and turn the scale off and then back on. If the scale continues to display this message, the operator should ask the maintenance men for service.



4. Overload -

If the weighting capacity exceeds the maximum capacity of scale, the display shows the right message.

Solution: Remove the weight from scale platform right away.



5. Power on zero count over calibration zero
+10%.

Solution: Turn the scale off and then
back on.



6. Power on zero count under calibration
zero -10%.

Solution: Turn the scale off and then
back on.



