

T-Scale

Operation Manual

JW

Weighing Scales

T-Scale

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- Press **ZERO** to confirm when display gets stable.
- Display will be show previous calibration weight and start to blink first digit, if necessary enter the calibration weight value by pressing **MODE** and **%** keys.
- Press **ZERO** to confirm, display will be show "L o R d"
- Place the load on the platform.
- Press **ZERO** to confirm when display gets stable.
- Calibration will be finish and will start to self test to come normal weighing.

Note: Calibration weight should be 1/3rd of the scale capacity.

Linear Calibration

- Turn on the scale and press **TARE** key during the self test.. Display will be shown "P CAL".
- Press **TARE** key to select "P I L CAL"
- Press **ZERO** to confirm, display will be show "UnLd"
- Remove all weight from the platform.
- Press **ZERO** to confirm when display gets stable.
- Display will be show 1/3rd of the scale capacity
- Place the calibration weight on the platform
- Display will be show 2/3rd of the scale capacity
- Place the calibration weight on the platform
- Press **ZERO** to confirm when display gets stable.
- Display will be show full of the scale capacity
- Place the full capacity of the calibration weight on the platform.
- Press **ZERO** to confirm when display gets stable.

Linear Calibration has finished and will start self test to come to normal weighing.

1. INTRODUCTION

- The JW series weighing scales are suitable for general weighing, check weighing, parts counting, and percent weighing.
- Capacities from 6kg to 45kg
- 25 membrane keys
- Rechargeable battery provide up to 70 hours of continues use (without backlight)
- Large 52mm LCD with white LED back light display.


2. NAMES AND FUNCTIONS

2.1 Key Board

Keys	Description
ZERO	Set the display to zero.
TARE	To perform a tare function, Subtracts weights.
%	To set percent weighing Set the limits for check weighing
MODE	To change weighing units in weighing mode. To change unit weight / count / total weight in counting mode. To change display to weigh mode temporary in percent mode
G/N	To select gross weight / net weight
PRINT	To send the data to PC or printer
MC	To clear accumulate weight .
MR	To show total accumulate recall memory

M+	To store current weight into the memory
SMPL	To select parts counting, If not in weighing mode, it will return to weighing mode
U.WT	To select to set samples manually
HI LIMIT	To set high limit
LOW LIMIT	To set low limit
C	To clear the incorrect entries
0 to 9	Numeric Keys, to enter the values manually

Display

Display	Description
STABLE	Indicate when the scale get stable
ZERO	Indicate when the scale in Zero
NET	Indicate when the scale in Net mode.
GROSS	Indicate when the scale in Gross mode
Kg / g/ lb / oz	Indicate when the scale in unit
M+	Indicate when the scale in accumulation
pcs	Indicate when the scale in counting
%	Indicate when the scale in percent
	Indicate when the battery charge is getting low
HI / OK / LOW	Indicate when the load above (HI), load below (LO) and with in the limits (OK) in check weighing mode.

Saved Data

By pressing **M+** key, number of weighing process followed by the total weight will be displayed for three seconds.

Deleting saved data

By pressing **M+** key, during the no of weighing displayed press **SMPL** key to clear the memory

Automatic Accumulation

This function is used to automatically add weighing values to the memory and to get a print out , if printer is connected.

- Place the load on the platform
- After stable indicator displayed, will be hear a beep sound.
- Remove the load from the platform.
- The weighing value will be stored into the memory and display will be show **ACC I**, followed by the weighing value.
- Then display will be come to normal weighing.
- The balance should be return to zero or a negative value before another sample can be stored.
- It can continue the process; It may take up to 99 entries or up to the capacity of the display.

4. CALIBRATION

Normal Calibration

Turn on the scale and press **TARE** key during the self test.. Display will be shown "P CAL".

- Press **ZERO** to confirm, display will be show "U_nL_d"
- Remove all weight from the platform.

- and indicator **HI** or **LOW** will be displayed.
- Enter Hi limit or Low Limit value by pressing **numeric** keys.
- Press **ZERO** key to confirm, display will be change to normal display.

Note: The load weight must be greater than 20 scale divisions for the check weighing operations.

To disable the check weighing function, enter zero into both limits

3.5 Accumulation

The scale can be set accumulation; this function is used to add the weighing values to the memory. When a weight is place on the platform, it can add automatically to the scale or by pressing **M+** key. For settings see the parameter *PS ACC*

Manual Accumulation

- Place load on the platform.
- After stable indicator shown, press **M+** key.
Display will be shown *ACC* and total weight will be displayed for two seconds. Weighing value will be saved into memory. If printer is connected data will be print.
- Remove the load from the platform.
- The balance should be return to zero or a negative value before another sample can be stored.
- It can continue the process; It may take up to 99 entries or up to the capacity of the display "Weight".

3. OPERATION

Initial Start-up

Warm-up time of 15 minutes stabilizes the measured values after switching on.

3.1 Basic Operation

2. Power ON/OFF

Power switch is located below right side of the scale. Switch on the scale by pressing on/off. The display is switched on and the self test is started.

If you want to switch off press backward the key.

3. Zero

Environmental conditions can lead to the balance exactly zero in spite

of the pan not taking any strain. However, you can set the display of

your balance to zero any time by pressing **ZERO** key and therefore

ensure that the weighing starts at zero.

4. Tare

The weight of any container can be tared by pressing **TARE** button so that with subsequent weighing the net weight of the object being weighed is always displayed.

- Load weight on the pan.
- Press **TARE** key. Zero is displayed, and tare is subtracted.

- Remove weight from the platform. Tared weight is displayed. It can set only one tare value. It can display with a minus value.
- Press **TARE** key. Zero is displayed, tare weight is cleared.

Enter a tare value using by numeric keys.

This method allows you to enter a value for the tare weight from the keypad. This is useful if all containers are the same or if the container is already full but the net weight is required and the weight of the container is known.

- Ensure display is in zero.
- Enter the known tare weight by using numeric keys.
- Press **TARE** to enter, weight will be stored as tare weight and displayed with minus sign and net indicator.
- Place the container on the platform, net weight will be displayed.

The tare will be rounded up according to the readability of the balance. For example, if a tare value of 103g is entered into the 60Kg scale with 5g readability, then the display will be shown -105g.

3.2 Percent Weighing

Percent weighing allows to a display weight in percent, in relation to reference weight.

- Unload scale and set zero.
- Place the reference weight on the platform.
- Press **%** key to enter percent weighing function.
- Display will be show **100.00 %**, set as per reference weight.
- Remove the reference weight, display will return to **0.00 %**
- Place a sample; display will be show the percentage of the sample as per reference weight.
- To return to normal weighing mode, press **%** key.

3.3 Parts Counting

As per reference weight, balance will calculate average piece weight. So, it should know the average piece weight for a reference weight. The higher quantity of the reference weight is better to get the exact higher counting.

- Unload scale and set zero.
- Press **SMPL** key to enter the parts counting.
- Place the number of reference weight on the platform, then enter the reference value by pressing numeric keys and follow to confirm **ZERO** key.
- Then can add more goods to check as the parts.
- Press **MODE** key to show display unit weight (g/pcs) Press the **SMPL** key to return normal weighing mode.

3.4 Check Weighing

It can set an upper or lower limit when weighing with the limits range. During the limit controls dividing the unit will indicate whether a value upper or lower limits with an alarm sound.

See details for setting beep sound in Parameter **P 12 bP**

- **Beep 0:** No beep sound in the limits. Beep function turned off.
- **Beep 1:** When the weight is between the limits. OK indicator will be show and beeper will be sounded.
- **Beep 2:** When the weight is out of the limits, the beeper will be sounded and when weight is between the limits OK indicator will be shown.

To set Hi limit and Low limit,

- Press and hold the **HI LIMIT** or **LOW LIMIT** key, display will be show the current Hi Limit or Low Limit . Left digit will be flashing