T-Scale

Operation Manual

KW

Platform Scales

T-Scale

10. CALIBRATION

Turn on the scale and press F key during the self test.

Display will be show "P in ---"

Press U, Print and Tare keys, display will be show "nonL in"

Press ZERO key to enter calibration, display will be show "UnLd"

Remove all the weight from the platform.

When indicator get stable, press ZERO key to confirm.

Display will be show the last calibration weight. If want to change the calibration weight value, press M+ key to change the active digits and press and TARE key to increment the value.

When the calibration value is correct, press ZERO key to confirm.

Display will be show "LoAd"

Place the calibration weight on the platform.

When indicator get stable, press ZERO key to confirm

KW series platform scales operation manual

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1. INTRODUCTION

The KW series of platform scales provides an accurate, fast and versatile series of general purpose weighing indicators with counting and check-weighing functions.

All units include automatic zero tracking, audible alarm for pre-set weights, automatic tare, and an accumulation facility that allows the individual weights to be stored and recalled as an accumulated total.

2. KEY DESCRIPTIONS

Operation key		Operation function	Setting	Setting function
symbol	text		symbol	
⊙	**Print**	To print the results to a PC or printer using the optional RS-232 interface. It also adds the value to the accumulation memory .	**ESC**	to return to normal operation when the scale is in a parameter setting mode
F	**Mode** or **Func**	Enter function setting mode.	C	to act as a clear key when setting values for parameters or other functions.
U	**Unit**	press this key to change unit.	◀	Move the active digit left when setting values for other functions.
⁂	**Sample**	Enter counting mode from weighing mode. Shift unit weight, counts and total weight when counting mode	▶	Move the active digit right when setting values for other functions.
→T←	**Tare**	Tares the scale, stores the current weight in memory as a tare value, subtracts the tare value from the weight and shows the results. This is the net weight.	▲	incrementing the active digit when setting a value for parameters or other functions.
→0←	**Zero**	Set the zero point for all subsequent weighing. The display shows zero	↵	"Enter" key when setting parameters or other functions.
⏻	**ON/OFF**	the ON/OFF key, press the key, turn the scale on, press the scale again, turn the scale off.		

key to move the active digit and then using the **TARE** key to increment a digit, followed by the **ZERO** key to enter the value. Use the **PRINT** key to leave a parameter unchanged.

When all digits have been set press the **ZERO** key to store the value.

The display will go back to the parameter just set, i.e. "SEt Lo". Advance to another parameter if needed or press the **PRINT** key to return to weighing.

When the scales are set to display in other units of weight the accumulation function is still keeping the weight in kilograms.

9. BATTERY OPERATION

The weighing indicator can be operated from the battery if desired. The battery life is approximately 100 hours.

When the battery needs charging a symbol on the weight display will turn on. The battery should be charged when the symbol is on. The scale will still operate for about 10 hours after which it will automatically switch off to protect the battery.

To charge the battery simply plug into the mains power. The scale does not need to be turned on.

The battery should be charged for 12 hours for full capacity.

Just under the quantity display is an LED to indicate the status of battery charging. When the scale is plugged into the mains power the internal battery will be charged. When charge the battery, the charge LED will be red, when full charge, the LED will turn to green.

As the battery is used it may fail to hold a full charge. If the battery life becomes unacceptable then contact your distributor.

The weight displayed will be stored in memory when the **PRINT** key is pressed and the weight is stable.

The display will show "ACC 1" and then the total in memory for 2 seconds before returning to normal. If the optional RS-232 interface is installed the weight will be output to a printer or PC.

Remove the weight, allowing the scale to return to zero and put a second weight on. Press the PRINT key, the display will show "ACC 2" and then the new total.

Continue until all weights have been added.

To view the totals in memory press PRINT key when scale is zero.

To clear total memory, press **FUNC** key to enter setting mode, then press TARE key, display shows "F 1 toL", press **ZERO** key to enter, display shows "to CLr", press **ZERO** key to sure.

7. ANIMAL SCALE

KW can set as an animal scale, about how to set it, see the technical manual of KW.

Let the animal on the platform, after some second, if reading data change between the range you have set, reading data will be locked, after data locked, when you remove or add weight on the platform, after it stable, the data will be update and lock again.

8. PARAMETERS

The scale has 5 parameters that can be set by the user plus a method of entering the calibration section. To set parameters press the **F** key.The display will show the first function, "F0 H-L".

Pressing the **TARE** will cycle through the other functions.
Pressing **ZERO** will allow you to set the function. It may be necessary to either use **TARE** or set a value using the **UNIT** key and the **SAMPLE**

3. BASIC OPERATION

3.1 Zeroing The Display

You can press the **ZERO** key at any time to set the zero point from which all other weighing and counting is measured, within the setting of manual zero range. This will usually only be necessary when the platform is empty. When the zero point is obtained the display will show the indicator for zero.

The scale has an automatic rezeroing function to account for minor drifting or accumulation of material on the platform. However you may need to press the **ZERO** key to rezero the scale if small amounts of weight are shown when the platform is empty.

3.2 Taring

Zero the scale by pressing the **ZERO** key if necessary. The zero indicator will be on.

Place a container on the platform, a value for its weight will be displayed.

Press the **TARE** key to tare the scale. The weight that was displayed is stored as the tare value and that value is subtracted from the display, leaving zero on the display. The "TARE" indicator will be on. As product is added only the weight of the product will be shown. The scale could be tared a second time if another type of product was to be added to the first one. Again only the weight that is added after taring will be displayed.

When the container is removed a negative value will be shown. If the scale was tared just before removing the container this value is the gross weight of the container plus all product that was removed. The zero indicator will also be on because the platform is back to the same condition it was when the **ZERO** key was last pressed.

4. PARTS COUNTING

When the scale is showing weight, pressing the **SAMPLE** key will star the parts counting function.

Before beginning, tare the weight of any container that will be used, leaving the empty container on the scale. Place the number of samples on the scale. The number should match the options for parts counting, 10, 20, 50, 100 or 200 pieces.

Press the **SAMPLE** key to begin. The scale will show "P 10" asking for a sample size of 10 parts. Change the sample size by pressing the **TARE** key. the display will cycle through the options: 10,20, 50, 100, 200 and back to 10.

Press the **ZERO** key when the number matches the number of parts used for the sample. As more weight is added the display will show the number of parts (pcs).

Press the **SAMPLE** key to shift unit weight(g/pcs), total weight and counts(pcs)

Press the **FUNC** key to return to normal weighing.

5. CHECK-WEIGHING

5.1 About check-weighing

Check-weighing is a procedure to cause an alarm to sound when the weight on the scale meets or exceeds values stored in memory. The memory holds values for a high limit and a low limit.

Check range:

Set hi-limit and low-limit as different value, also hi-limit value is larger than low-limit.

Check mode 2:

the display will show OK and the beeper will sound when the weight is between the limits

Check mode 3:

the display will show OK and the beeper will sound when the weight is out of the limits.

5.2 Set limits

Press **FUNC** key, it will display "F0 H-L", press **ZERO** key to enter, use TARE key to select "SEt H i" or "SEt Lo", press **ZERO** key to enter, use **UNIT** key and **SAMPLE** key to move active digit, use **TARE** key to change value, use **FUNC** key to clear value. After you enter the value, press **ZERO** key to sure, press **PRINT** key to escape.

5.3 Set check weighing mode

Press **FUNC** key to enter setting mode, press **TARE** until display show "F4 oFF", press **ZERO** key to enter, press **TARE** key until display show "bEEP ", press **ZERO** key to enter, press **TARE** key to select "bP i"(not sound), "bP 2"(check mode 2), "bP 3 "(check mode 3), press **ZERO** key to sure, press **PRINT** key to escape.

5.4 Note

The weight must be greater than min capacity of the check-weighing to operate.

To disable the Check-Weighing function enter into both zero limits by pressing the **FUNC** key when the current limits are shown then pressing **ZERO** to store the zero values.

6. ACCUMULATED TOTAL

The scale can be set to accumulate manually by pressing the **PRINT** key. The accumulation function is only available when weighing. It is disabled during parts counting.