T-Scale

Operation Manual

ROW

Weighing Scale

T-Scale

CONTENTS

1. INTRODUCTION.....1
2. KEY DESCRIPTIONS.....1
3. BASIC OPERATION.....2
3.1 Zeroing the display.....2
3.2 Taring.....2
4. CHECK-WEIGHING.....3
4.1 About check-weighing.....3
4.2 Set limits.....4
4.3 Set check weighing mode.....4
4.4 Note.....4
5. ACCUMULATED TOTAL.....5
6. ANIMAL SCALE.....6
7. CALIBRATION.....6
8. BATTERY OPERATION.....7
9. FUNCTION MENU SETTING.....8

9. FUNCTION MENU SETTINGS

FUNC -TION	SUB-FUNCTION	DESCRIPTION	DEFAULT VALUE
F0 H-L	SEt Lo	Set a value for the Low limit.	000.000
	SEt H i	Set a value for the High Limit.	000.000
F 1 toL	to CLr	Clears the accumulation memory without printing the results.	
	to P-C	Clear memory and print the total data	
	to Prt	Only print the total data	
F2 Unt		Sets the displayed unit of weight. Select kg, g, Lb or oz.TJ,HJ	kilogram, kg
F3 oFF	SEt oF	Set auto off time (0/3/5/ 15/30)	
	bL	Set the backlight to be on, automatic or off, bt on, bt AU, bt oFF	bt AU
	bEEP	Set the check weighing mode	
F4 Prt		Set the printer mode, see the technical manual for details	
F5 ACC	on	Accumulation function on	
	oFF	Accumulation function off	
ProG	P in	Enter the programming and calibration menus by entering the correct password. See details in technical manual.	

*PRW only have F5 parameter.

1. INTRODUCTION

The ROW series of weighing indicator provides an accurate, fast and versatile series of general purpose indicator with unit conversion and animal scale functions.

All units include automatic zero tracking, unit conversion, tare, and an accumulation facility that allows the individual weights to be stored and recalled as an accumulated total.

Wireless transmission and the distance is farther than 100 meters

2. KEY DESCRIPTIONS

Zero

Set the zero point for all subsequent weighing. The display shows zero.

A secondary function ↵, of "Enter" key when setting parameters or other functions.

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. Entering a value using the keypad will store that value as the tare value.

A secondary function ⬆ , of incrementing the active digit when setting a value for parameters or other functions.

G/N

Press the key , the scale can to select gross weight or net weight after you tare a weight.

Secondary function ▶ , In the setting mode, this key used to move active digits right.

M+

To print the results to a PC or printer using the optional RS-232 interface. It also adds the value to the accumulation memory if the

accumulation function is not automatic.
Secondary function (**C**) , is to act as a clear key ,When using the settings mode, can use to clear digits.

UNIT or U

Press this key to select the weight unit.
Secondary function (ESC or◀) , is to return to normal operation when the scale is in a parameter setting mode or use to move active digits left. when setting values for parameters

ON/ OFF

Turn on or off the power.

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 4% of power up zero. 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.

by using the keys **PRINT/M+**, **G/N**, **TARE** key to select the required setting.
Enter the selected setting by pressing **ZERO** key, display will be shown "LoAd".

Load the calibration mass weight on the platform and wait few seconds for display stability.

After the stable indicator on press **ZERO** key display will be shown "PASS".
After the calibration the display will start a self test. Remove the load from platform during the test. Display will come to weighing mode automatically.
If display will be shown any error or incorrect value, repeat the procedure again.

8. BATTERY OPERATION

The weighing scale can be operated from the battery if desired. The battery life is approximately 35 hours.

When the battery needs charging, the battery symbol will blank. The scale will still operate for about 1 hours after which it will automatically switch off to protect the battery.

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

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

In the LCD display has an battery indicator to indicate the status of battery charging. When the scale is plugged into AC adapter, the internal battery will be charged. When turn on the indicator, if the battery indicator is full then the battery has a full charge. If it is half then the battery is nearly discharged and empty indicates the battery should be charged. When charge the battery, the indicator will be flicker.

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

Press weight on platform, after stable, you will hear beep on twice, you can add or remote weight now, scale will beep on again after stable, at last, remove all weight on platform, the last weight value will store in memory

6 Animal Scales

ROW can set as an animal scale when external resolution less than 1/3000, about how to set it, see the technical manual of ROW.

Let the animal on the platform, after some second, if reading data change not a lot, you can hear beep sound and reading data will be locked.

In reading data lock mode, if you add/remove big weight, display will still update and lock new reading data.

7. CALIBRATION

In weighing mode, press **UNIT** key and **PRINT/M+** key together, "Fo H-L". Press **TARE** key continuous until display will be shown "ProG". Press **ZERO** key, display will be shown "P in". Enter the password. Press **G/N**, **UNIT** and **ZERO**,keys. Display will be shown "P1 rEF", Press **TARE** key, display will be shown "P2 CAL". Enter the function by pressing **ZERO** key. display will be shown "SiG rA", Select option "SiG rA" or "dUA rA" or "dUA in". Enter the function by pressing **ZERO** key display will be shown "dEC i", Press **TARE** key continuous until display will be shown "CAL". Enter the function by pressing **ZERO** key display will be shown "nonL in".

Enter the function by pressing **ZERO**, display will be shown "UnLoAd", Make sure there are no loads on the platform and wait few seconds for stable indicator on. Enter the function by pressing **ZERO** key display will be shown"05. 000". Currently adjustment, If want to change

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.

3.3 Weighing a sample

To determine the weight of a sample first tare the empty container then place the sample in the container. the display will show the weight and the units of weight currently in use.

4 Check-Weighing

4.1 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 mode 2:

When check range, the display will show OK and the beeper will sound when the weight is between the limits.

Check mode 3:

When check range, the display will show OK and the beeper will sound when the weight is out of the limits.

4.2 Set limits

Press the **UNIT** key and **M+** key together in the weighing mode, 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 **G/N** key to move active digit, use **TARE** key to change value, use **M+** key to clear value. After you enter the value, press **ZERO** key to sure, press **UNIT** key to escape.

4.3 Set check weighing mode

Press the **UNIT** key and **M+** key together in the weighing mode to enter setting mode, press **TARE** key until display show "F3 oFF", press **ZERO** key to enter, press **TARE** key until display show "bEEP", press **ZERO** key to enter, press **TARE** key to select bP 2(check mode 2), bP3 (check mode 3), bP 1(no beep), press **ZERO** key to sure, press **UNIT** key to escape.

4.4 NOTE

The weight must be greater than 20 scale divisions for the check-weighing to operate.

To disable the Check-Weighing function enter zero into both limits by pressing the **UNIT** key and **M+** key together in the weighing mode, then the current limits are shown. then set zero and store the zero values.

5 Accumulated Total

5.1 Note

The scale can be set to accumulate manually by pressing the **M+** key. See the PARAMETERS Section for details of selecting the method using function "F5 ACC". The accumulation function is only available when weighing.

Please note before every accumulate operate, scale need return to zero, and only press **M+** key when stable, when weight less than 20d, accumulate operate will be invalid.

5.2 Accumulate operate

The weight displayed will be stored in memory when the **M+** 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. (after do accumulate operate, M+ indicator will turn on) 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 M+ key, the display will show "ACC 2" and then the new total.

Continue until all weights have been added.

*Note: after you change weighing unit, accumulate value will be clear.

5.3 memory recall

To view the totals in memory press **M+** key in zero point (ZERO indicator on).

5.4 memory clear

To clear the memory, when view the totals in memory press **M+** key

5.5 automatically accumulate

At first, you need set scale to auto accumulate mode, Press the **UNIT** key and **M+** key together in the weighing mode, it will display "F0 H-L", press **TARE** key until display show "F4 Prt", press **ZERO** key to enter, press **TARE** key to select "P AUto", press **ZERO** key to sure, then you need set baud rate and M+ format, print type.

After you set, AUTO indicator on.