



USA Measurements

Operation Manual

US-3011

Weighing Indicator

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5. 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 several minutes 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 a 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.

4. CALIBRATION

KEYS OPERATIONS INTO THE MENU

Enter the menu

- In weighing mode, press **UNIT** key and **PCS** key together.

Select the menu

- Press **TARE**, it can change the menu block one by one.
- Using increase the digit.

Enter the selected menu

- Press **ZERO**, it can confirm, which will be shown displayed.

Change the digit

- Press **ACC/TTL/PRINT**, it can change the active digit.

Return to weighing mode

- Press **UNIT**, exit from the menu.

Note: If want to change the settings *F4 St*, *P1 rEF*, *P2 nOdE* and *P4 CH* Before enter the parameters, should be press the **CAL Switch** in the **PCB**

1. INTRODUCTION


The US-3011 series of 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.

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.

ACC/TTL/Print

Accumulator key, current values will store to the memory, To send the data to printer or PC. When using the settings mode, can use to move active digits right.

PCS

Counting.

When using the settings mode, can use to clear digits.

UNIT or U

To change the unit

In settings mode, escape back to menu/ weighing mode and use to move active digits left

ON/ OFF

Turn on or off the power.

3. BASIC OPERATION**Initial Start – Up:**

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

3.1 Power ON/OFF:

Switch on the balance by pressing **ON/OFF** key.

The display is switched on and the test is started and if want to switched off, press again the key.

3.2 Zero

Environmental conditions can lead to the balance exactly zero in spite of the platform 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.

3.3 Tare

The weight of any container can be tared by pressing

- and will be follow beep sound once.
It can continue the process until the maximum capacity or value.

3.11. Animal Weighing

It can use for vibrate loads.

For this function, set to parameter *P4 CH1 to mode 2*

After select this function, display will be show “ANIMAL” indication.

- Bring the load on to the platform.
- When the load few seconds get stable, the reading will be locked for few seconds and will be follow beep.
- It can add or remove loads also update the weighing locked values.

3.12. Peak Hold

It can operate peak hold function, maximum reading will be hold and will update automatically when add goods.

For this function, select parameter *P4 CH1 to mode 4*

In the normal weighing mode press **TARE** and **ZERO** key together to turn on Peak hold operations, display will be indicate HOLD.

If want to turn off peak function, press **TARE** and **ZERO** key together again

It can continue the process until the maximum capacity or value.

Note: When you change the weighing unit this saved values will be clear.

Accumulated Total

Manually, the scale can be set to accumulation by pressing **ACC/TTL/PRINT**, when an optional printer is connected. See details in *F3 Prt*.

Memory Recall

When display of Zero, you can see the number of weighing and total weight by pressing **ACC/TTL/PRINT**, display will be shown for two seconds.

Delete the Memory

When display of Zero, you can see the number of weighing and total weight by pressing **ACC/TTL/PRINT**, display will be shown for two seconds. Press **ACC/TTL/PRINT** during this display. The memory data are deleted and display will be shown "ACC 0"

3.10. Accumulation Automatically

In this function the individual weighing values are automatically added into the memory. No need to press any keys.

For this function, set to parameter *F3 Prt* and select *P AUTO*.

After select this function, display indicator AUTO will be shown.

- Place the goods on the platform to be weighed
After the stable, will be follow beep sound twice.
- Unload the goods, the weighing value will be saved automatically

TARE button so that with subsequent weighing the net weight of the object being weighed is always displayed.

- Load weight on the platform.
- Press **TARE** key. Zero is displayed, and tare is subtracted.
- Remove weight on the platform. Tared weight is displayed. It can set only one tare value. It can display with a minus value.
- Press G/N to change between gross weight and net weight.
- To clear the tare value, remove the load and press **TARE** key. Zero is displayed, tare weight is cleared.

3.4. Sample weighing

- Place goods to be weighed on the platform.
- Wait few seconds for stability display.
- Read the result.
- Avoid overloading. When display appears "ol" reduce the load or unload.

3.5. 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 . For details see the parameter *F3 OFF*.

- **Check mode 1:** No beep sound in the limits. Function turned off.
- **Check mode 2:** When the weight is between the limits. OK will shown and beeper will be sounded.
- **Check mode 3:** When the weight is out of the limits, the beeper will be sounded and OK will shown.

3.6. Enter to Menu

In the weighing mode, press **UNIT** and **PCS** together.
Display will be appear “F0 H-L”

3.7. Set limits

Press **ZERO** to enter the function.

Press **TARE** key to select the limit.

Display will appear “Set Lo”

Press **ZERO** key to enter, press **ACC/TTL/PRINT** key to move active digits.

Press **TARE** to change the value. After enter the value press **ZERO** to sure.

Press **UNIT** to escape.

3.8. Set check weighing mode.

After entering the settings mode,

Press **TARE** until to display will be appear “F2 OFF”

Press **ZERO** key to enter, press **TARE** until display show “Beep”

Press **ZERO** key to enter, press

Check mode 1 “bP 1”

Check mode 2 “bP 2”

Check mode 3 “bP 3”

Select desired setting by pressing **TARE** and press **ZERO** key to confirm, press **UNIT** to escape.

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

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

3.9. Accumulation

Accumulation

- Place the goods on the platform to be weigh
Wait few seconds for display stable, then press **ACC/TTL/PRINT**. The value will be saved and printed (if the printer is connected).

Display will be appear “ACC 1”
this display will appear two seconds only.

Remove the load and wait few seconds for display return to zero.

- Place the second goods on the platform.
Wait few seconds for display stable. Then press **ACC/TTL/PRINT**. The value will be saved.
Followed by the total number of weight will be displayed “ACC 2”