

**User Manual**  
**HR2000 Fish Weighing System**  
**Ver 1.0**

## **Introduction**

Congratulations on your purchase of the HR2000 fish weighing system.

The indicator has been designed to be extremely easy to operate, this manual describes how to best use the instrument.

### **Power ON**

The system is battery powered and the toggle switch mounted on the lower side of the indicator should be used to power on and off.

**Ensure the supplied battery charger is kept dry and has good air circulation at all times.**

The red button on the indicator is not used in this application. The user will be warned to use the main power switch.

Note: After applying power the system will take a few seconds to become active.

The initial startup screen will be visible for a few seconds and shows the following information :

Supplier :

Last Calibration date :

Next Calibration required :

It is advisable to contact the supplier for a calibration check when required.

## **Initial Tare Entry**

After power up the system will show the scale weight and it is possible for the operator to perform a personal tare at this point by standing STEADY on the scale until the system records the weight and then continues to the min run time screen.

If the operator does not stand on the scale the system will abort the tare operation after 20 seconds (Counted down on screen)

It is also possible for the operator to press the ENTER key to abort the tare operation.

Normally the system will autozero at power on before the tare operation, but the operator may re-zero the system at any time by pressing the ZERO key.

### **Main Run Time Screen**

The main screen will now be displayed and the operator should ensure the personal tare weight is correct.

The system also displays the scale weight which changes dynamically as the scale is pushed. The small square indicates when the scale is steady.

The large dashes indicate the fish weight during weighing operations.

### **Memory recording / Total weight**

The right hand side of the display shows a list of the last five weighings. This list automatically updates as weighings are performed.

Each memory can hold up to 200 weighings, and there are 25 memories.

There are three ways to select a new memory :

1. Select the MODE key and enter the desired memory (1 - 25)
2. Use the zero (0) and decimal point (.) keys to decrement/increment the selected memory
3. Use keys 1 to 9 as HOTKEYS to directly select the first nine memories.

Typically the user will select a memory at the start of a weighing session and then use the decimal point key to increment to the next memory as desired.

It is possible to clear individual memories or all of the memories by selecting the Menu using the F1 key and then selecting the Clear Memory option.

When **Clear ONE memory** is selected the operator should enter the desired memory to clear, and then the operator should press the ZERO key to clear the memory. It is possible at this point to abort the operation.

When **Clear ALL memories** is selected the operator should press the ZERO key to clear ALL memories. It is possible at this point to abort the operation.

It is possible to delete a weighing from the SELECTED memory by pressing the backspace key (<--)

The displayed total is the total weight of the currently selected memory.

## **TARES**

The HR2000 indicator provides three types of personal tare functions.

1. STARTUP TARE (Already discussed)
2. MANUAL TARE
3. PRESET TARE

## **MANUAL TARE**

The manual tare is normally operated as follows :

1. Ensure the empty scale is correctly zeroed.
2. Stand STEADY on the scale
3. Press the TARE key.
4. Note the new displayed tare value

## **PRESET TARE**

If the weight of the operator is already known it is possible to enter the tare value at the keyboard without performing a weighing.

The preset tare is normally operated as follows:

1. Press the PRESET TARE key.
2. Enter the preset tare (Operator weight)
3. Note the new displayed tare value

Note when entering the preset tare it **MUST** be entered in multiples of the scale resolution. Any preset tare entry which is not a multiple of the resolution will not be accepted.

For example if the resolution of the scale is 0.5 kg and the accurate weight of the operator is 136.3 kg , then the preset tare weight should be entered as 136.5 kg.

## **Menu - (F1)**

The F1 key provides a menu as follows :

1. Adjust display contrast
2. Clear memory (Discussed earlier)
3. Set deadband / steady
4. Exit

## **Adjust Display Contrast - (1)**

This provides a further option to lighten or darken the display contrast. To lighten the display contrast press 1 repeatedly, and to darken the display contrast press 2 repeatedly.

Once the contrast is correct press 3 to return back to the main screen.

### **Set deadband / Steady - (3)**

A password is required to be entered (see installation manual) It is now possible to set the deadband and the steady divisions

The deadband may be from 1 - 99kg The weight must be above the deadband before a recording can take place. Also the captured display will return to dashes when the scale weight falls below the deadband level.

The steady divisions is the number of division which the scale may move without going unsteady (a value of 3 would be typical)

### **Charging the batteries**

The batteries should be charged with the supplied charger for approximately 10 hours to achieve full charge.

The system may then be used for about 10 hours. To conserve battery life the system will automatically switch the backlight off when not in use.

To user should also power the system off when not in use to conserve battery life.

### **Normal operation**

1. Ensure user tare is correct
2. Select an empty memory (Clear one if required)
3. Ensure scale is at zero (ZERO if required)
4. Stand on scale with fish in apron
5. View NET weight of fish on large display and memory list
6. Step off scale large display dashes

### **User filter Setting**

In main screen mode the user may push the ENTER key to change the filtering of the weighing scale (1,2,4,8,16) Enter returns to normal mode.

