FUNCTION SETTINGS

1. To change & set BAUD Rating, Parity & Print Mode

Press **[ON/OFF]** to turn on the scale on. This display will show **--------.** As soon as you see --------, press **[PRINT]** and the display will show **b xxx BAU** value (BAUD Rate). Press **[UNIT]** to select 1200, 2400, 4800 or 9600.

Press **[ZERO]** to enter Parity mode, the display will show **P XXX PAR**. Press **[UNIT]** to select **odd, even or none** (**odd** stands for 7 data bits with odd parity, **even** stands for 7 data bits with even parity, **none** stands for 7 data bits without parity).

Press **[ZERO]** to enter Print mode. The display will show **n xxx Mod**. Press **[UNIT]** to select **ON, OFF, KEY or STB** (**OFF** stands for serial data output disabled, **KEY** stands for demand mode by pressing **[PRINT]**, **STB** stands for automatic print when scale is stable and **ON** stands for continuous print. Press **[ZERO]** again to return to weighing mode.

2. To activate and deactivate weighing units

Press **[ON/OFF]** to turn on the scale on. The display will show digits and then --------. As soon as you see **--------** press **[UNIT]** to enter unit selection mode. The display will show **ON X** (X stands for the units i.e. g or oz). Press **[ZERO]** to select an unit and press **[UNIT]** to select ON (to activate the selected unit) or OFF (to de-activate the selected unit). Press **[ZERO]** until you return to weighing mode.
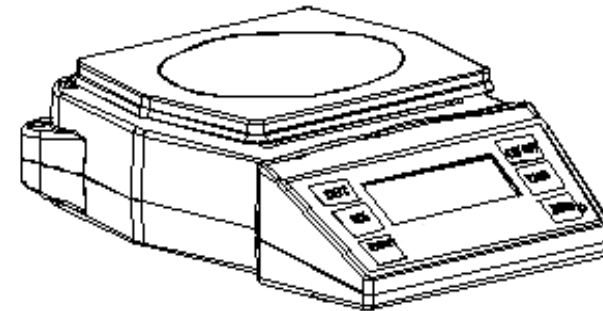
2. To change & set the Zero, Tare, Overload & Back Light settings

Press **[ON/OFF]** to turn on the scale on. The display will show digits and then --------. As soon as you see **--------** press **[PCS]**. Following the table below, use the **[ZERO]** button to enter each setting and **[UNIT]** button to change the value in each setting.

Setting (shown as it is seen on the display)	What setting you are changing	What you can choose from
ZRD X.X	Zero Track Value	0.0, 0.2, 0.4, 0.6, 0.8, 1.0, 1.5 & 2.0
ZRT X.X	Zero Track Time	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5 & 4.0
RZD X.X	Zero Value	0.8, 1.8, 2.8 & 3.8
FIL X	Filter Range	0, 1, 2, 3, 4, 5, 6 & 7
PZR XX	Set percentage for zero range when the scale is first turned on	1, 2, 3, 4, 5, 8, 10 & 20
TZR XX	Set percentage of zero range	3, 4, 5 & 10
TTR XXX	Set percentage of tare range	50 or 100
OUR XX	Overload Protection Mode	2, 5, 10 9d
b2 XX	Activate or deactivate beep when buttons are pressed	ON or OFF
ZT XX	Unite tare & zero function	ON or OFF
A XXX	Auto-power off settings	3, 5, 10mins or OFF
L XXX	Back Light settings	AUTO, OFF or ON

COMPACT SCALE/BALANCE

INSTRUCTION MANUAL

SAFETY PRECAUTIONS

All safety messages are identified by the following the words "**WARNING**" and "**CAUTION**". These words mean the following:

△WARNING	Important information to alert you to a situation that might cause serious injury and damage to your scale if instructions are not followed.
△CAUTION	Important information that tells how to prevent damage to equipment.

When using the scale/balance, the following safety precautions should always be followed.

△ WARNING

Use only the AC/DC mains adapter provided with the scale/balance. Other adapters may cause damage to the scale.

Do NOT use the mains adapter while batteries are fitted inside this scale. It will result in permanent damage to the circuit board.

△ CAUTION

Avoid installing the scale/balance in direct sunlight; this may cause discoloration or malfunctions.

Avoid overloading the scale; it could cause damage to the scale/balance.

Do not allow the scale to come into contact with water; it is not water-proof. If water comes in contact with the circuit board it will damage the scale/balance.

Avoid using the scale near anything that has electrically charged matter. Discharge the static electricity using an electrification prevention spray and spray on both sides of the weighing platform.

SPECIFICATIONS

Model number	Capacity	Division
FHB -600	600g	0.01g/0.005g
FHB -3000	3000g	0.05g/0.1g
FHB -6000	6000g	0.1g/0.2g
Platter	120 x 135mm or 160 x 195mm	
Net/gross weight	1.8Kg	
Package	Standard carton: 36.5x26x16(cm^3)	
Operating Temperature	0-40℃(32-104℉)	
Power source	AC/DC Adapter or Batteries	
	Adapter 10V/500mA	

Parts Counting procedure

1. Press [ON/OFF] to turn on the scale.

Wait for "0" to appear on the display.

2. Start the Count Procedure

If necessary, press the **[ZERO]** key to set the display to "0".

3. Press the **[PCS]** key to put the scale in parts counting mode, the display will show P=X X, press UNIT to select XX value (10, 20 ,50, 100) and place your sample on the platform of the scale/balance.

4. Press the **[PCS]** key, the display will show "XX pcs", then the scale will recall the sample size you selected and show the starting sample size on the display.

5. You can now remove the samples if you want to return the scale to 0 & start counting.

6. Press the **[PCS]** key to return to the weighing mode

CALIBRATION

When to calibrate

Calibration may be required when it is initially installed or if the scale/balance is moved to a substantial distance. This is necessary because the weight of a mass in one location is not necessarily the same in another location due to gravity. Also, with time and use, mechanical deviations may occur.

How to calibrate

1. Before entering calibration mode, **there is a switch key on the bottom of the scale. Turn on the switch key first** then press **[ON/OFF]** button on the front of the scale/balance to turn the power on and leave the scale/balance to warm up for 1 minute.

2. Enter calibration mode

Press **[ON/OFF]** button to turn the power on. The display will show different digits and then〞--------〞. As soon as you see〝--------〞 press **[ZERO] twice**, the display will show "CAL." Press **[ZERO]** again, the display will show **"X0000 CAL"**; **X** indicates the digit flashing on the display. Press **[UNIT]** key the flashing digit will move to the right. Press **[PCS]** key to increase the flashing digit. *(X is the calibration weight which can be set according to your requirements).*

3. Calibration by the weight

When you have entered the weight you wish to carry out the calibration with, place the calibration weight/s onto the platform of the scale/balance. Then press **[ZERO]** key**,** the display returns to the weighting mode. Remove the calibration weight and calibration is now complete.
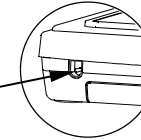
4. Check the calibration has worked

Press **[ON/OFF]** to turn the scale/balance off. Then press **[ON/OFF]** to turn the scale/balance back on. Place the weight on the platform and check that the scale/balance is weighing correctly, if not, repeat steps 2-4.
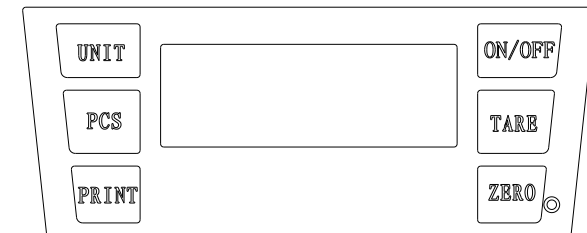
PARTS DESCRIPTION

► **BACK**

AC adaptor Socket

► **FRONT**

· **Key pad function**

1. **ON/OFF** key: Turn the power on or off.
2. **ZERO** key: For zero setting of the scale up to 4% of the scales capacity (i.e. for a 600g capacity 4% would be 24g)
3. **TARE** key: Press this button to deduct the weight on the display (useful for containers)
4. **PRINT** key: To print the displayed data.
5. **UNIT** key: Press this button to select different weighing units.
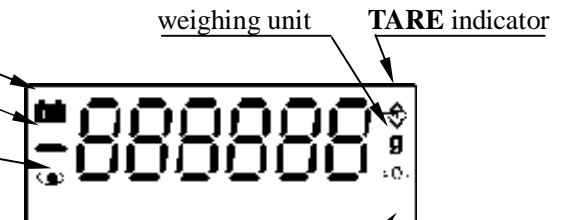6. **PCS** key: For parts counting function.

► **DISPLAY**

Low battery indicator
Negative value indicator

weighing unit   **TARE** indicator

STABLE indicator
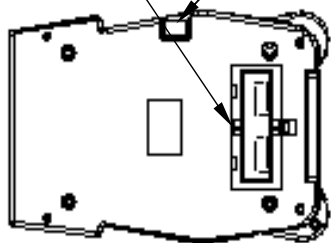Indicates when the reading is stable.

ZERO indicator

PREPARATION

1. Installing batteries

Batteries

Battery
compartment

switch power

6 AA Batteries

2. Setting up the scale/balance

⚠ CAUTION

Avoid installing the scale/balance in direct sunlight it may cause discoloration or malfunctions. Place your scale/balance on a firm weighing table so that the scale/balance is level. (The scale/balance will not perform accurately when it is not level.)

Place the scale/balance on a firm surface that is flat and level for an accurate reading.

WEIGHING

Before weighing

Turn the scale on and leave for 10 minutes to warm up before use

Error messages

Err-O: Overload

Err-Z：   Zero tracks has been exceeded

Err- S: The scale is unstable

[battery icon]:   Low battery

Weighing procedures

1.Press [ON/OFF] to turn on the balance.

When the scale/balance is turned on, all display segments appear on the LCD display for a few seconds and finally "0" will appear on the display.

2.Select the weighing unit with [UNIT].

Press **[UNIT]** to select a weighing unit, e.g. g, ct, oz or dwt (there are 16 units to choose from)

3.Start weighing

If you do not use a container for weighing

Check that the display is showing 0. If not, press **[ZERO]**.

Place objects on the weighing platform to weigh.

When the reading becomes stable, the stable indicator is displayed.

If you use a container for weighing

Check that the display is showing 0. If not, press **[ZERO]**.

Place an empty container on the platform.

Wait for the stability indicator to be displayed and press **[TARE]**.

Place the objects to be weighed in the container.

When the reading becomes stable, the stable indicator is displayed.

FEATURES

- User calibration
- Auto zero tracking
- Recharge
- Large LCD Display
- Stability indicator
- 1/120000 & 1/200000 division available

- Auto shut off (selectable)
- Auto backlight (selectable)
- g/ct/oz/….. conversion
- counting function