E) SETTINGS

Press the M button and then switch on the scale. The scale has the following user settings in this menu:

1. DUMMY ZERO: The user can enable or disable the DUMMY ZERO display with this setting. Select YES or NO depending on whether you want to display the dummy zero or not.

2. AUTO ZERO: After dummy zero selection the display will show "A-O   X". Here the user can select the range of the autozero. "A-O   O" means auto zero function disabled and the display will show even the first count from the zero level. "A-O   3" means the auto zero range is 3d, meaning that the scale will auto zero any reading between 0d and 3d at the zero level, to maintain the correct zero on the scale.

F) CALIBRATION

External Calibration Setting

Press the ZERO Button and switch on the scale. The display will show "PASS" and then "000000". Press the ZERO Button. The display will show "CAL". Press the ZERO the display will briefly show "no Load" and then the internal division at no load condition. Make sure for the decimal point to stop blinking, and then press the ZERO Button. The display will show "LOAD" briefly and then again the internal counts. Keep the calibration weight and press the ZERO Button, the display will show "000000". Now enter the value of the calibration weight kept using the UP and LEFT Arrow Keys. Finally press the ZERO Button, the display will show the calibrated weight. If the difference between this external calibration and the previous internal calibration is more than 5%, the new calibration will not be stored and the scale will pick up the values / setting according to the old internal calibration only. If the user feels that the new external calibration is correct and still the scale is not accepting it, then the correct way to do the calibration will be to do the internal calibration again.

G) BATTERIES

The scale is capable of running on rechargeable battery or 6 pcs of AA size batteries, if the scale is not connected to the mains through the adaptor for any reason. The following is recommended to maximize the life of the batteries

- If the scale is not used for long, it is highly recommend to remove the batteries from the scale, as there are chances that batteries may leak and damage the scale beyond repair.
- Please charge the battery for at least 20 hours before using for first time.
- The battery automatically gets charging once the scale adaptor is plugged in to the mains; hence only make sure that the GREEN LED on the top right side of the display is ON.

G) MAINTENANCE

The user should never put weight more than the designed capacity of the scale

When the scale is switched on, whenever the user will put more load than the designed capacity of scale, then display will show "-OL-" meaning that the scale is overloaded. Even if the scale is no in use and is switched off, if load above the designed capacity of the scale is applied on the weighing pan, by keeping some weight, or by hand, or any other means, the scale can be damaged beyond repairs.

Never clean the scale with highly intensive solvents like petrol, thinner or acetone etc. the best way to clean the scale is to use a slightly moist cloth, and then use a dry cloth to wipe again.

OWNERS MANUAL

CRUZER *Series*

SHIPPING SCALES

A) TECHNICAL DETAILS

Measurement Data	Weighing Scales
Capacity	20kg - 75kg
Tare range subtractive	100% subtractive
Repeatability	1d +-
Display Resolution	6000 ~ 10,000 divisions
Application Modes	Weighing, Counting
Product Features	Pre-Set Tare, Glow Control, Set HI, LO
Keyboard	4 membrane keys (Hol d, Mode, Counting, and Zero)
Weighing Units	Kg
Calibration	Digital with external weight.
Weight	1.8kg approx
Front Display Type	0.56" Bright red LED display
Stabilization	2 seconds
Power	9V Adaptor / built in battery for backup to 25hrs. / 6 x AA dry battery
Operating Temp.	50° to 98° F / 10° to 35° C

B) SETTING UP THE SCALE:

Take the scale out of the box and place on a stable surface. Place the Top pan correctly on the scale. Insert the DC pin of the adaptor, and connect the adaptor to the nearest mains point and / or install 6 pcs of AA batteries by removing the battery cover.

For best performance, do not place the scale on a surface where:

The surface has effect of Vibrations

The air movement is more, like directly under a fan, or in open in windy condition

ON / OFF Switch: The on/off switch is located on the rear side of the scales. The switch has 3 positions. At the centre position the scale is turned off and can be pushed left or right to run the scale on rechargeable battery or dry batteries.

Note : The scale has 3 power inputs a) Rechargeable battery, Dry Battery and power adaptor.

C) OPERATION

a) Buttons
   - o ZERO: This button is used to zero an unwanted reading on the display. This button is also used for going in to the calibration mode.
   - o HOLD: This button is used for holding the weight on the display.
   - o M / UP Arrow: This button is used for Setting the LO and High Limit in the scale. The button is also used as the up arrow key in the setting menu.
   - o Counting / Left Shift Key: This button is used for counting function. This button is also used as the left shift key in the setting menu.

b) Indications: There are three visual indications in the scale which are as follows:
   - o Power LED: When you connect the adaptor to the scale, the GREEN LED on the bottom right side of the display will glow. When the LED will glow, you can be sure the scale is being powered from the main supply, and that the battery is being charged.
   - o Stable weight indication: In the weighing or the counting mode, when you keep the weight you will notice that the decimal point is blinking. The blinking decimal point means that the weight is not stable. Once the weight is

stable, the decimal point stops blinking and the user can be sure that the weight being shown is the correct weight.

- o Hold function: In the weighing mode if you press the hold button after keeping the weight, the displayed weight will start blinking this means that the hold function is active. Once the display stops blinking the hold mode is turned off.

D) FUNCTIONS

a) HOLD Function: The scale has a hold function which can be used to hold the weight display. In weighing mode, keep a weight and wait for the decimal point to stop blinking. Once the decimal point is stable, now user can press the HOLD button. The display will start blinking, and the weight will be hold on the display without any movement if you add some weight or remove some weight. Also if you remove the total weight, the previous weight will still be displayed at which the hold button was pressed. Now to come out of the hold mode, simply press the hold button again, or keep a new weight. The scale will automatically understand a new weight has been kept, and it will exit the HOLD mode, and display the new weight correctly.

b) SET POINT Function: The function is mainly used for packing or check weighing function. The user can pre define the level at which he needs the alarm to sound. When the display is showing "0.00", press the M button, the display will show "SET LO", now press the zero button, the display will show "000000" or the previous entered value. Enter a value using the Up arrow and the left shift arrow and then press the Zero Button. Now the display will show "SET HI" and the user can similarly enter the HI value. The following logic is followed in this mode:

- o SET LO value is entered only: If the user only enters the SET LO value and keep the SET HI value as "0.00", the scale will sound the beep sound below the SET LO value.
- o SET HI value is entered only: If the user only enters the SET HI value and keep the SET LO value as "0.00", the scale will sound the beep sound above the SET HI value.
- o SET LO & SET HI both are entered: If the user enter both SET LO and SET HI value, the beep will not sound below between the SET Lo and SET HI value range, and the beep will sound below the LO value and above the HI value.

Please note the following points:

- o The beep sound will sound only when the stable light stops blinking, that is the weight is stable.
- o The BUZZER is not provided as standard, and it needs to be installed by the dealer / reseller. Without the buzzer installed, the beep sound cannot be heard.

c) Counting Function: The scale has counting mode which can be used for parts counting. In the weighing mode, keep a weight on the scale. When the decimal point stops blinking, press the Counting Button. The display will show the value according to the previously entered data. Now press the M button, the Display will show "SM0010" which is selection mode for the number of pcs. Press the M button again display will show "SM0020", so that the user can select the appropriate number as per the number of samples kept on the scale in the beginning. After correct selection press the ZERO Button, the display will show the pieces counting. To go back to the weighing mode, press the Counting Button again. You will come back to the weighing mode and the display will show the weight. Press the counting button again and again, to toggle between the counting mode and weighing mode.