ACS Weighing/Counting Scale
Specification Modification and Setting

1- Press Cal and Enter at the same time until the display shows 000000.

2- Press the arrow key to modify the resolution (3000, 6000, 15000 or 30000). Press enter to confirm your selection.

3- Display now reads 'Speed'. Press Enter.
Choose your setting (display speed) and press Enter to confirm.
Note: Spd1 is slowest and Spd6 is fastest. When you increase the speed, you unfortunately also reduce the scale's performance.

4- Display now reads Zero. Press enter.
Select your zero setting (0.8 to 3.5) and press Enter to confirm.
Note: a higher setting improves the 'return to zero' capability of the scale but diminishes the performance in the lower range of the spectrum.

5- After setting any of the above specifications, you can exit the process by pressing Zero.
New Mold Electronic Weighing/Counting (Platform) Scale  
(with RS232 optional)

I. Specification:
- Rechargeable accumulator inside, you can use the scale during recharging.
- Auto zero-setting when switch on the scale.
- Auto zero-tracing.
- Switch among weighing, counting, percentum. Function of choosing Weight range.
- Power supply: AC 220V (±10%) / 50Hz, 110V/60HZ, DC 6V / 4Ah (Rechargeable accumulator inside).
- Working temperature range: 0°C ~ +40°C
- Relative humidity: ≤ 85 % RH

II. Keyboard instruction:
1. [Cal.] To Calibrate the scale when the scale is moved to a different place.
2. [Mode] To choose different function model: Weighing, Counting, percentum.
3. [Unit] To choose different unit: kg, lb.
4. [Set] To choose high and low limits range in weighing model.
5. [Zero] To make the display zero when there's nothing on the platform but the display is not zero. Press this key continuously for 2-4 second, the backlight will be switched on or off.
6. [Tare] To delete the tare.
7. [t] To input number.
8. [Enter] To make state.

III. Operation:
The scale must be placed on the stable and flat surface, adjust its four screws carrier pole to horizontal, if demand, put the special plate, then switch on the power. The scale cannot be used for a long time under tare state or the zero tracing will disappear.

The scale will go into the weighing model after the beginning display. The signals of “Zero” and “kg” set. You may press [Mode] to choose the three model: weighing, counting, percentum circularly.

Zero Function: You may press [Zero] to make display zero when the zero moved when in use. Zero range: ±4%FS, it is invalid under tare state.

Setting Alarm Function:
1. High limit setting - Press [Set] to display the set weight high limit and the signal “-HI.” circularly. Press [Enter] to make sure and set the low limit. Press t 1 t to set the number. In the process of inputting the number, you may press [t] to add 1 on the recent digit. Press [Enter] to make sure of the recent digit and set the next digit. If the digit is the last one, you may press [Enter] to set the low limit.
2. Low limit setting - It will display the set weight low limit and the signal “-LL.” circularly when you begin to set it. The operation is the same as setting high limit. It will go into the alarm method setting after the low limit setting finished.
3. Alarm method setting - It means in the range alarm when the scale displays “-IN.” It means out of the range alarm when the scale displays “-OUT.” It means no alarm when the scale displays “-NO.” You may press [t] to switch. Press [Enter] to confirm.

Press [Set] to exit from the setting state when in the process of setting. The set value is invalid.
【Counting mode】
Press 【Set】 to sample weight in the counting model. It displays “SAP X” (X is the sample number).
1. Press 【↑】 to choose samples number from 10, 20, 50, 100 and 200. Press 【Enter】 to make sure.
2. The weight window displays “LOAD-C” after the sample number is chosen. Put enough number of samples then press 【Enter】 to finish sample.
3. There are two instances of unit weight lacking:
   a. When the weight window displays “LAC-” it means the weight of sample is less than 80% of division. You still can count but the counting may be inaccurate. The signal will disappear after about 3 seconds.
   b. When the weight window displays “-CLS-”, it means the unit weight of sample is not enough at all. Please press 【Set】 to re-sample. Press 【Enter】 to exit back to the counting model.

Press 【Set】 to exit from the sample state in the process of sample.

【Percentum mode】
1. Press 【Set】 in the percentum state to display “LOAD-P”. There are two ways to sample:
   a. Put enough samples on the platform then press 【Enter】 to finish sample.
   b. Press 【Unit】 then the scale displays “000000”. Press 【↑】 and 【Enter】 to input the weight value.
2. When the sample weighed less than 0.1% FS the weight window displays “CLS-”. It means the sample is not enough. You should re-sample. Press 【Set】 to re-sample. Press 【Enter】 to exit back to the weighting model.

Press 【Enter】 to exit from the sample status in the process of sample.

【Calibration】
Keep pressing 【Cal】 for about 4 seconds. Calibrate after the weight window displays “CAL-”. There are two ways to Calibrate:
1. Full range load: Put enough weight on the platform according to the full scale. 【Set】 【Enter】 to make sure. Calibration finished.
2. Random load:
   a. Press 【Set】 , the weight window displays the weight calibrated last time.
   b. Press 【↑】 and 【Enter】 to input the weight you want to load. Then load the corresponding weight. 【Set】 【Enter】 to make sure. Calibration finished.

Press 【Mode】 to exit from the calibration state in the process of calibrating.

Note:
The high limit and low limit set in the weighing model are saved in the scale. Different unit corresponding to different alarm range and method. The value inputted by pressing 【↑】 cannot be more than the full scale.

IV. Alarm indication:
1. The weight window displays “—OR—” with continuously alarm sound when the weight over 100% FS+9d. If the ADC overflows, the weight window displays “—ADD—” with continuously alarm sound. For these instances, the weight should be taken away.
2. If the voltage of the accumulator is low, the weight window displays “—Lo—” while the weight is zero. The weight display will recover to normal when it is loaded. Under this condition, you can use the scale in a short time, but you should plug in the AC plug as soon as possible to recharge the accumulator.
3. The weight window displays “HIII” or “LLL” when the zero weight is higher or lower than the permitted range.
4. When you switch on the scale. The weight window will display “UNSTA” if the scale is not stable. It maybe because of the platform’s intensity is too low or the platform is shaken strongly. You may strengthen the platform or avoid the shake.
5. If it display “SYS—” when you switch on the scale, please re-calibrate or send it to repair.
   If it display “Set—”, it means the alarm setting is wrong, please react the alarm value.

V.RS232 transmission method (optional):
1. RS232 setting
   Press 【Mode】 and 【Tare】 key when self-testing, loosen two key when hear the buzzer sound and enter the RS232 transmission setting.
   (1) Set transmission method
   Press the 【set】 key to choose the method of “Str” — output when stable. “Eth” — output once when 【Enter】 key is pressed, “SER—” series (continuous output), or “CLOSE” — output disabled. Then press 【↑】 key to select method or