WEIGHING INDICATOR

Operation Manual

l *NLD-W   SERIES*

CONTENTS

Ⅰ. Specification:

l Rechargeable accumulator inside, you can use the scale during recharging.

l Auto zero-setting when switch on the scale.

l Auto zero-tracing.

l Switch among weighing, counting, percentum. Function of choosing Weight range.

l Power supply:　 AC 220V（±10%）/ 50 Hz, 110V/60HZ, DC 6V / 4Ah　(Rechargeable accumulator inside).

l Working temperature range:　 0 ℃ ~ +40 ℃/

l Relative humidity: ≤ 85 % RH

Ⅱ. Keyboard instruction:

1. 【Cali.】　 To Calibrate the scale when the scale is moved to a different place.
2. 【Model】　 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.
　　　　　　 To sample the weight in counting and percentum 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. 【 ↑ 】　 To input number.
8. 【Enter】　 To make sure.

Ⅲ. Operation:

　　　 The scale must to 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 function of zero tracing will disappear and the zero will move.

　　　 The scale will go into the weighing model after the beginning display. The signals of "Zero" and "kg" set. You may press 【Model】 to choose the three model: weighing, counting, percentum circularly.

　　　 Backlight on/off: Press 【Zero】 key continuously for 2-4 second, the backlight will be switched on or off.

【Weighing model】

Choosing Unit Function: Press 【Unit】 to choose the unit between "kg" and "lb". The corresponding signal sets on display.

Tare Function:

Put the container on the platform. Press 【Tare】 to make the weight window display "Zero" after the weight is stable. When the "Tare" signal sets, the weight displays is Net Weight. Remove the weight, the weight window displays negative. Press 【Tare】 again, the weight window displays "Zero". The "Tare" signal disappears.

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 "-HH-" circularly. Press 【Enter】 to make sure and set the low limit. Press 【 ↑ 】 to set the number. In the process of inputting the number, you may press 【 ↑ 】 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【↑】to switch. Onaylamak için 【**Enter**】tuşuna basınız.

   Press【Set】to exit from the setting state when in the process of setting. The set value is invalid.

【Counting model】

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 instance of unit weight lacking:
   a. When the weight window displays "-LAC-", it means the unit 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 "-CSL-", 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 model】

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 "-CSL-". It means the sample is not enough. You should re-sample. Press【Set】to re-sample. Press【Enter】to exit back to the weighing model.

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

【Calibration 】

   When the scale display 0.00,press"Cali." Key always.till show the "CAL"after loosen it,press "SET"key display the full of capacity,can press "↑" and "Enter"key input you want the weight value,and put same just you input the weight on the scale platform,press "Enter"key ,the calibration will be calibration.

Error! Reference source not found.**. Alarm indication:**
   1. The weight window displays "--OF--" with continuously alarm sound when the weight over 100%FS+9d. If the ADC overflows, the weight window displays "—Adc—"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 "HHHH" or "LLLL" 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 reset the alarm value.

Load Cell connections

The load cells are connected using the 5pin round plug provided.

Pin 1	+Excitation
Pin 2	Shield
Pin 3	+Signal
Pin 4	-Signal
Pin 5	Screen