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JL-168 Weighing Indicator

Instruction

No.（601） Web：WWW.SKRSCALE.COM

Es: JJF1624-2017 TEL:0592-5527990

Catalogue

I 、 Precautions for using

Please read this instruction manual carefully before you use this scale.

1. Rain or washing with water is strictly prohibited.

2. Electronic scales are strictly forbidden to be placed in hot or humid places.

3. Do not allow cockroaches and small creatures to enter the machine and cause damage.

4. Do not hit or press (do not exceed its maximum weight capacity).

5. Remove the battery when it is not in use for a long time.

6. When it is found that it can not be used for a long time after charging for more than 10 hours, it means that the battery has aged. Please contact the factory for replacement.

II 、 Preparation before use

1. Please use the electronic scale on a stable, flat table; do not place it on a rocking or vibrating gantry. Use four adjustment feet to keep the machine steady, and note that the bubble of the level needs to be in the center of the circle.

2. Avoid using the electronic scale in places where the temperature changes too much or the air flow is severe, such as

direct sunlight and the air outlet of the air conditioner.

3. Please use a separate power outlet to avoid interference from other appliances.

4. Do not put anything on the scale when you turn on the power.

5. Heat the machine for 15-20 minutes before using

III 、 Key Function description

(pr) ： Print， Counting Setting.

(↑/Σ) ： Max Value Setting

(Fu/↓) ： Min Value Setting

(T) ： Tare

(→O←/ENT) ： Zero and confirm

(ON/OFF) ： On/Off

IV 、 Symbol description

HI ： Weight or member higher setting range

OK ： Weight or member within setting range

LO ： Weight or member lower setting range

PCS ： Counting Model state

kg ： Kilogram Unit

g ： Gram Unit

lb ： pound unit

oz ： ounce unit

AC：Charge indication

▯▯ ： Low power

Σ ： Counting accumulation

◣◢ ： Stable indication

◇T ： Tare

→O← ： Zero

V 、 On and off

1.On：Move the object on the scale plate, no object can be put on the scale plate, press (ON/OFF) the power switch, start to enter the self-check, after the end of zero into the weighing state.

2.Off：Press (ON/OFF) the power switch one more time.

VI 、 Zero Function

When it showing numbers when the scale didn't weighing anything， Press (→O←/ENT) to make it zero.If the number is exceed Zero range (10% of Max capacity)，it can't work by press (→O←/ENT)

VII 、 Function operation

1： Cumulation

Weight cumulation：Put the object on the scale when it is showing zero and stable. Press (↑Σ) and wait it to show "Add xx"within 2 seconds，if you want to keep weighing，you have to take the object off and wait it shows zero,(↑Σ) put the object on the scale and wait it stable，then press (↑Σ) if you want to weigh more.

2： Cumulative indications

In the state of weighing, long press (T) for 3s，the single window display the accumulated number of bills, press (T) to return to the weighing state. Press (→O←ENT) to delete dates.

3： Upper and lower limit setting

Lower limit value setting: press (Fu) longer than 3s, enter the setting，it shows"dn"and"0.0"，then press (T) to change and (pr) to move，then input lower limit value，press (→O←ENT) to confirm.

Upper limit value setting: longer press (↑Σ) 3s in the state of weighing and into upper value setting，it shows "UP" and "0. 0" and flash，press (T) and (pr) to move，then input upper value， press (→O←ENT) to confirm.

Setting the value rapidly: press(↑Σ) or (Fu↓) over 3s when put object on, take the weight of the object as the upper or lower limit.

1>If the lower limit is 0 and the upper limit is not 0, it represents: when the weighing data is greater than the upper limit value, an alarm is issued.

2>If only the lower limit value is not 0, the upper limit value is 0, which means: When the weighing data is less than the lower limit value, it will alarm

3>If only the lower limit value is not 0, the upper limit value is not 0, and the lower limit value is less than the upper limit value, which means: when the weighing data is less than the lower limit value, or greater than the upper limit value, the alarm is issued.

4>If only the lower limit value is not 0, the upper limit value is not 0, and the lower limit value is greater than the upper limit value, which means when the weighing data is greater than the lower limit value, or less than the upper limit value, the alarm is issued.

4： Counting operation

During using，if you want to test the members，long press

 for 3S more when in zero state，it shows cn0001 means

1 piece, press (T) to change and to move, input same

sample members，press to confirm.

wait for the data stabilization icon to appear, press   the button to display the number of the value，then back to weighing state.

5. Pre-peeling operation

Put object on scale, press (T) , it means reduced the package weight, when the weight is 0, the tare light will show up on the display, then put the weighed item into the package weight, and the weight value displayed at this time is the net weight of the item. After taking out the package and item, the weight value will be displayed as a negative number, and then press once

6. Charging instruction

When the battery is low, the "low voltage" indicator light is on. Please charge the battery for 12 hours before use. When charging, ac charging indicator shows "Red", table shows in charging when full display "green", can be in the display of green light. Continue charging for 3-4 hours to ensure sufficient battery power.

7. Date/ / time setting

Press to open and wait it show 00.00.00,press into Date/time setting ,the first one is years, press (T)to change, press   to move，press after finish，then comes to second one is month, next one is day. Then press   to setting hours/minutes/seconds, same operation like below

8. Print item name switch

In weighing ，long press 3S，it shows"P 000" (T) to change value，（Such as：change to third name，press (T) to

change to P003, then (ENT) press to finish.

9.Saving Power Model

No operation for 3 minutes，it will change to saving power Model, and display shows "--"press any button to awake the scale expect start button.

VIII. Function parameter setting

Press (Fu) and turn on，it shows"P01 XX"

press (Σ) or (Fu) to change parameter，press (T) to change value，press (ENT) to confirm.

P01 zero point tracking setting

 （00～09），00：means 0d，01 means：1d

P02 filter setup

 P02 00，01,02....09 the greater the number, the more stable the data

P03 Anti-vibration coefficient setting

 P03 00,01,02.....09 the greater the value, the more stable the data

P04 boot unit setup

P04 00：means kg

P04 01：means g

P04 02：means lb

P04 03：means oz

P05 tri-color lamp alarm mode selection

Long press (Fu) 3s enter setting

P05 00：Choose model and alarm value

 00 00：represents that three color lamp doesn't alarm

 00 10：represents the lower limit alarm mode

 00 20：represents the upper limit alarm mode

 00 30：represents interval alarm mode

 00 40：represents outerval alarm mode

 Last 0 can be change, meaning as below:

 00 10：means 0d warning

 00 11：means 5d warning

 00 12：means 10d warning

 00 13：means 15d warning

 00 14：means 20d warning

00 15：means 25d warning

00 16：means 30d warning

00 17：means 35d warning

00 18：means 40d warning

00 19：means 45d warning

P05 01：Inside or outside alarm setting

01 00：represents an unstable alarm of the internal buzzer

01 01：represents the alarm after the internal buzzer data is stable

01 02：represents that the external buzzer data is unstable and alarms

01 03：represents the alarm after the external buzzer data is stable

P05 02：Quantity/weight alarm setting

02 00：weight warning

02 01：quantity warning

P05 03：Voice volume setting

03 00：Small

03 01：Big

P06　Serial port/printer parameter Setting

Long press ⊘(Fu↓) to enter setting

P06 00：Serial communication switch

00 00：Serial communication off

00 01：Serial communication on

P06 01：baud rate setting

01 00：the baud rate is 1200

01 01：the baud rate is 2400

01 02：the baud rate is 4800

01 03：the baud rate is 9600

01 04：the baud rate is 19200

P06 02：serial communication transmission mode

02 00：represents continuous transmission

02 01：Stable transmission mode 1, must be zeroed after the data is stable and sent, zero is not sent

02 02：stable transmission mode 2, the data is stable and sent

02 03：represents keystroke sending, press the "keystroke send" key to send

P06 03：serial communication data format

    03 00：SKR

    03 01：CODY

    03 02：XiangPing

    03 03：EXCEL

    03 04：Yaohua A7

    03 05：Yaohua A1+

    03 06：Yaohua A27

    03 07：Jadever weighting

P06 04：Communication protocol

    04 00：Old

    04 01：New

P06 05：Printer

    05 00：OFF

    05 01：ON

P06 06：Printer Style

    06 00：Ticket printer

    06 01：Label printer

P06 07：Internal format

P06 08：Print Model

    08 00：Manual printing

    08 01：Cumulative print

    08 02：Automatic printing

    08 03：Qualified printing

P06 09：Print format

    09 00：Edit by yourself

    09 01：Internal format

P06 10：Serial number

    10 00：Not memorized

    10 01：Memorized

P06 11：Negative print setting

    11 00：No print

    11 01：Print

P06 12：AP

P06 13：PC

P07　Animal weighing function

Long press (Fu↓) for3s enter setting

P07 00：Animal weighing switch

　　00 00：Off

　　00 01：on

P07 01：Animal weighing function

　　01 01：Stable state，when weighing＞20d and stable,it will has"voice"one time，lock weight automatically for 5s，wait new members to lock.

　　01 02：Top model，when the date is highest, lock weight automatically for 5s，wait new members to lock when weight ＜20d，press (→O←ENT) to cancel lock.

　　01 03：On, lock it stable and accumulated

　　01 04：On, lock it Highest and accumulated

　　01 05：Stable state，print automatically

　　01 06：Highest state，print automatically

P07 02：Weight lock time setting

　　02 00：（00～09）can be choose，00：means lock time 0s，01：means lock time 1s，same as others（recommend 05）

P08 Cumulative set

P08 00：Weight cumulative

P08 01：Quantity cumulative

P09 Backlight setting

　　P09 00：Represents automatic backlight

　　P09 01：Represents the backlight always bright, or the brightness is high

　　P09 02：Represents the backlight is always off

P10 Automatic average function setting

　　P10 00：Off

　　P10 01：On

P11 Weight memory function setting

　　P11 00：Off

　　P11 01：On

P12 Display change

　　P12 00：Weighing LCD

　　P12 01：Weighing LED

　　P12 02：Counting LCD

P13 Single memory function setting

　　P13 00：Off

　　P13 01：On

P14 Display the code value

P15 High precision

    P15 00：Off

    P15 01：On

P16 Counting Speed

    P16 00：Counting quickly, low accuracy

    P16 01：Counting slowly, high accuracy

P17 ,18,19,20 Reserved function

IX、Capacity setting and internal calibration operation

Press ⊖ ， open the scale and it show"CAL　X"， press Ⓣ to change methods.

      1：One point correction

      3：Three points correction

Press (Fu) to choose unit，it shows"SP　X",press Ⓣ to change。

      0：Unit is kg

      1：Unit is g

Press (Fu) to setting max capacity，it shows "FXXXXX"，press Ⓣ to change and (pr) to move.

Press (Fu) to setting division，it shows"div　X"press Ⓣ to change.

      1：The representative scale value is 1 jump

      2：The representative scale value is 2 jump

      5：The representative scale value is 5 jump

Press (Fu) to setting decimal point，it shows"0.000"

press Ⓣ to change value.

0：In range as unit and the data has zero decimal point

0.0：In range as unit and the data has a　decimal point

0.00：In range as unit and the data has two decimal point

0.000：In range as unit and the data has three decimal point

0.0000：In range as unit and the data has four decimal point

0.00000：In range as unit and the data has five decimal point

Press (Fu) to go to next step.

Display shows"5-4-3-2-1-0"then into correction，The screen

flashes the value of 1/3 of the maximum and weighing.

1>If single correction, press (T) and (pr) to change value, then put weights when finish，and wait stable light not flash，press (→O← ENT) it begins to correction, it will back to weighing state when finish.

2>If three point correction, it can't change the value，it will shows 1/3 of maximum, put weights and wait it not flash，press (→O← ENT) ，then go to 2/3 of the maximum, put matched weights and wait it no flash, press (→O← ENT) to go next step. Put full capacity weights, wait the stable light not flash，press (→O← ENT) to correction, then back to weighing state.

X、Message remind

━ ━	Power saving mode
ᴜEⱧ1.1	Version
6.31	Battery voltage is 6.31V
------	Over loaded
FULL	Out of display digit
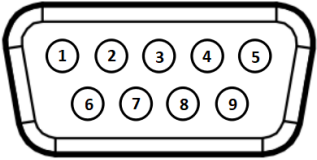
XI、Technician parament

A/D	△-Σ
Accuracy	1/30000
Input sensitivity	0.2 Microvolts/degrees
Input voltage range	-2mv～20mv
Loadcell voltage	DC 5V，can match 4 loadcell
A/D resolution	Seven hundred thousand
Input impedance	＞1GΩ
A/D transfer	10 times/second
Non-line	≤0.01%F.S
Power supply	AC 220V/50HZ 6V/4.5AH
LED	Green letter 1.5 samll 6 numbers
Products size	266*160*111mm
Working temperature	-10～+40℃ (14～104℉)
Net Weight	2.2kg/4.85lb

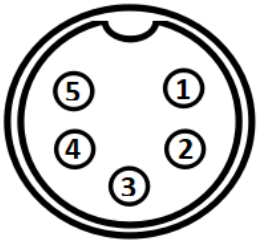## XII、Loadcell interface pin definition

！Notes：please keep the scale off when you want to install the load cell, It is necessary to fix and tighten the joint, do not plug and unplug the joint at will, and do not plug and unplug the load cell joint on the live

1.Nine-pin connection method

Pin	Specification
1	Load cell input E-
2	Empty
3	Empty
4	Empty
5	Shielding wire
6	Load cell input E+
7	Empty
8	Load cell output S-
9	Load cell output S+

2. Air terminal

Pin	Specification
1	Load cell input E+
2	Load cell output S+
3	Load cell output S-
4	Load cell input E-
5	Shielding wire