



OPERATION MANUAL

ALC-A SERIES

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Press **1** to show "rEAd", press 1-5 numeric key to read the value

VII. Power Source Illustration

Low battery warning

When  symbol appears in the upper left hand corner of the LCD display, the internal battery needs to be recharged.

If the battery is not recharged and the battery symbol appears, the scale will switch off automatically after approximately 2-3 hours of additional use.

I. Major Parameter

Mode: ALC series, FCD series, FHC series

Division Value: 1 ~ 75000 Non-linearity: $\leq 0.01\%F.S$

Load cell excitation: 5V DC, 5% 100mA

Load cell: 350 Ω

Operation keypad: 20

Display: LCD, 6 digits, green backlight

Operating Temperature: 0 ~ 40 $^{\circ}C$; $\leq 85\%RH$ Fuse: 500mA

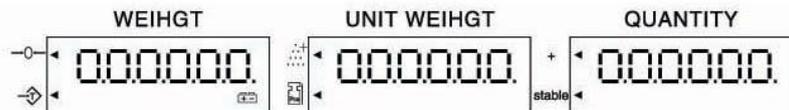
Power Source: AC 110V/220V ($\pm 10\%$) + DC 6V/4.5AH

Rechargeable Battery

II. Special Remarks

1. Put the scale on a firm level surface for accurate weight readings.
2. Please use independent AC outlet to avoid the interference of other electrical appliances; Please don't place anything on the scale pan while power on.
3. Avoid the machine near the exhaust port of ventilating system.
4. Please warm up the machine 15-20 minutes before operation.
5. All goods weighed should be placed in the centre of the platform for a accurate weighing. The overall dimensions of the goods being weighed should not exceed the dimension of the platform.

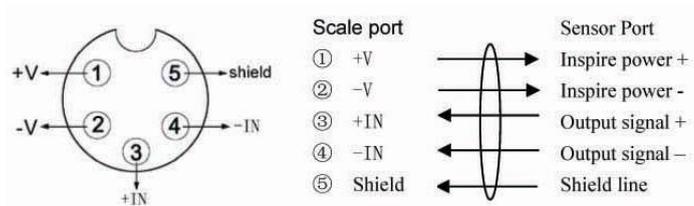
III. Display Explanation



- : Tare indication
- : Accumulating
- : Sample too small
- : Low battery indication
- : Zero indication
- : Stable indication
- : Unit weight too small

IV. Connection between Sensor and Instrument

Instrument and sensor are connected by the five core aviation plug. The function of each pin is as follow:



press **2** to show "Lo", press numeric key to read the low value.

This scale can save 5 set of high and low limit value.

V. Units Switch

Press **ZERO** twice to show "Centr " and before it disappear ,press **1** to show "Unit", then

Press **0** to exit ,

Press **1** to select unit g

Press **2** to select unit lb

Press **3** to select unit kg

Note: The units is confirmed when turn on the scale next time.

VI. Unit weight preset

(1) Save the unit weight

1.Under counting mode, the unit weight window shows the unit weight value.

2. Press **ZERO** twice to show "Centr" and before it disappears, press **3** to show "Un S", then

Press **0** to exit

Press **2** to show "SAVE", press 1-5 numeric key to save the value.

(2) Read the unit weight

Press **ZERO** twice to show "Centr" and before it disappears, press **3** to show "Un S", then

Press **0** to exit

Press **1** : to show Hi, that's high limit value.

Press **2** :to show Li, that's low limit value.

(3) Clear the preset quantity

Press **PST CE** to clear all the pre-set value.

(4) Save the quantity preset

(1) input the preset quantity in the unit weight window.

(2) Press **ZERO** twice to show "Centr" and before it disappear ,press **7** to show "Er P",

Press **0** to exit

Press **2** to show "SAVE",

Under this condition,

Press **1** show "Hi" ,press 1-5 numeric key to save the high limit value,

Press **2** to show "Lo", press 1-5 numeric key to save the low limit value.

(5) Read the preset quantity

Press **ZERO** twice ,it will show "Centr" and before it disappear, press **7** to show "Er P"

Press **0** to exit

Press **1** to show "rEAd"

And under this condition,

press **1** to show "HI", then press numeric key to read the high value storage.

V. Keyboard Function



- SMPL** :Use this key to set and confirm the quantity
- Q'TY PST** : Use this key to preset the quantity
- M+** :This key is used for weight accumulation
- UNIT W.T.** :Use this key to set and confirm the unit weight
- PST CE** :Use this key to eliminate the pre-set value
- CE** :Use this key to clear the readings entered.
- MC** :Use this key to clear the total accumulated weight under ACCUMULATION mode
- .** :Decimal point key
- 0** ~ **9** : Numeric key used for the entry of weight limits
- ZERO** : If there is a minor weight displayed without anything on

the pan ,hit the this key to clear the display

TARE : Use this key to subtract that the current weight readings is net weight.

VI. Operation

(I) Backlight

Press **ZERO** key two times to show "Centr" and before it disappear;

1. AUTO: press **5** ,when the weight is over 5 divisions, the backlight will be switched on.
2. ON: press **4** , display backlight is on all the time.
3. OFF: press **6** , display backlight is off.

Note : the backlight will be stored and be confirmed when you turn on the scale next time.

(II)Calibration

Press **ZERO** key two times to show "Centr" and before it disappear, press **2** , for example:

5000	CAL	◀ 0
------	-----	-----

Put on the weight of 5000g,it shows as follow when stable

5000.0	0	◀ 0
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The calibration is finished.

Note: press numeric key to input the weight value, press **QTY PST** key to confirm, press **MC** to clear the value, press **CE** to exit.

(III)Recover the factory Set

Press **ZERO** key to return the display to zero ,then press **CE** key to show "Centr" and before it disappear press **◦** key to recover the factory set. Press **0** to exit.

(IV) Preset Quantity

(1) Two methods of preset quantity

1. After get the sample(the unit weight window show the unit weight),add the sample until the quantity meet the preset quantity.
2. Input the numeric key to preset the quantity

(2) Operation

After preset the quantity, press **QTY PST** to show "Pr.AL", Press **0** : to exit.

Press **1** : to show "Pr.AL -H ", that's high limit alarm

Press **2** : to show "Pr.AL -L", that's low limit alarm

Press **3** :to show "Pr. ALIN", that's between Hi & Li alarm

Under this condition,

Press **0** :to exit

Press **1** : to show Hi, that's high limit value.

Press **2** :to show Li, that's low limit value.

Press **4** : to show "Pr. ALOU", that's beyond Hi or Li alarm.

Under this condition,

Press **0** :to exit