

LE-series electronic parcel scale



Product Description

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Parcel/Portion Scale

Product Type: LE SERIES

Features:

1. **Compact Dimensions:** 270×90×30 / Base: 315x325x30mm
Pan size: 315x325mm,450x350mm,600x600mm,950x500mm(selectable)
2. **Material:** Aluminum Housing / SUS 304 Base Cover
3. **Display options:** 5 digital LCD
4. **Power:** recharged/AC adapter 12V 500mA $\pm 5\%$
5. **Auto backlight** (selectable)
6. **Power saving** (auto shut-off timing selectable: 120seconds/180seconds/300seconds/Off)
7. **Operating Temperature:** 5~35°C
8. **Operating Humidity:** 25%~95%RH

Version: V711

Product Description

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Parcel/Portion Scale

Product Type: LE SERIES

10. 4Keys: ZERO, UNITS, TARE, NET/GROSS

ZERO

Zero the weight

UNITS

Toggle among KG or LB unit

TARE

Tare the weight

NET/GROSS

Toggle between Gross and Net

11. Zero Range (4% to full capacity)

12. Tare Range (100% to full capacity)

13. Error Message indication:

Err-O

Overload

Err-2

Zero tracks has been exceeded

Err-S

The scale is unstable

Err-c

Calibration Error

+

Low battery indication

14. calibration weight units : kg/lb

15. Calibration capacity : over 2/3 full

16. Open calibration capacity

17. Power on zero-setting range: $\pm 10\%$

18. Zero range: $\pm 4\%$ of full capacity

19. Three modes : Normal mode / Setting mode / Internal Auto Calibration mode

20. RS232 function

KEY DESCRIPTIONS:

Parcel Scale:

ZERO	UNITS	TARE	NET/GROSS
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Portion Scale:

ZERO	UNITS	TARE	NET/GROSS
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1. ZERO:

This key is “Zero” feature if load is below 4% of full capacity or a negative value

2. UNITS:

Select weighing units: kg , lb .

3. TARE:

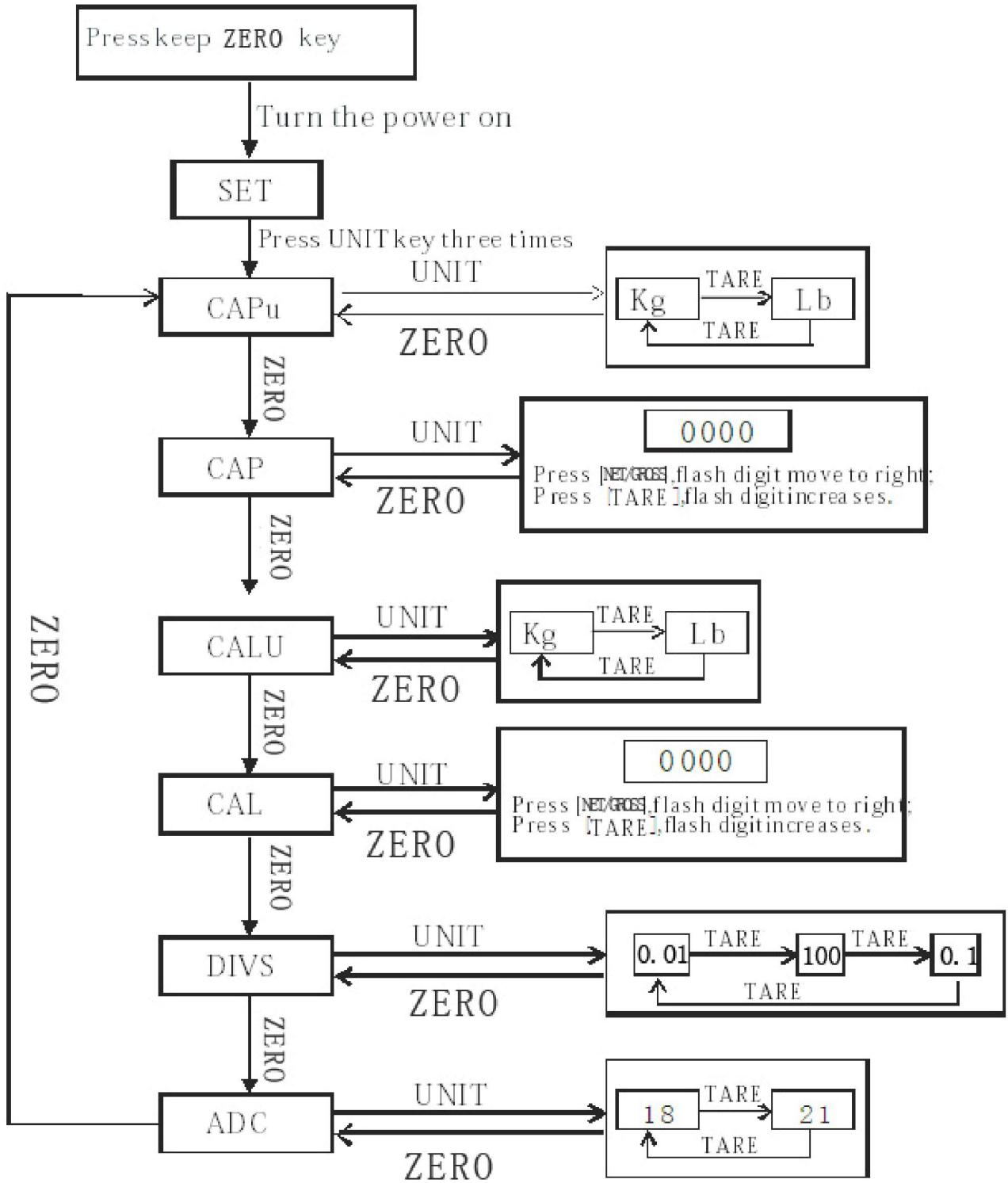
- A. When there’s load on the scale, press this key to return to zero.
- B. Put a container on the scale, press this key to tare the weight, and the tared value is stored.

4. NET/GROSS:

Toggle between Net weight and Gross weight.

5. POWER SWITCH : when the scale is used or not used ,please turn the power on or the power off.

TABLE 2



THE MEANING OF FUNCTION SETTING

1. **AOFF**: Time for auto-off (120s / 180s / 300s / off)
2. **bL** : Backlight (On/Auto/OFF/STB)
3. **Units** Weighing units (kg / lb/oz)
4. **Ani.sy**: Animal mode(On/Off)
5. **OvL**: Overload (9d)
6. **CAL**: Calibration capacity (2/3full weight)
7. **trAn**: Transfer (On/Off)
8. **t.b.r.**: Transfer band rate (1200/2400/4800/9600)
9. **G.sw**: Gravity(On/Off)
10. **t.r.d**: Transfer mode (On/Off)

THE PROCEDURE FOR CALIBRATION

1. Press **ZERO** and **TARE** key without releasing, then turn the power on , the display shows “CAL” then the A/D value ,then release **ZERO** key and **TARE** key.
2. Press **TARE** key and display shows the flashed calibration weight.
3. Press **TARE** key, the display show “-----” then A/D value
4. The calibration is finished , turn the power off

THE INDICATOR FOR CALIBRATION

1. First to set the parameters (**Reference table2**)

Press and hold **ZERO** to turn the power on, and then press continuously **UNIT** three times, the display will show the “CAPU”. (Press **UNIT** key then **TARE** key to selecte the calibration unit between kg and lb, Press **ZERO** key return to CAPU)

2. **Set the various parameters then** Press **TARE** key, when the display will show CAL , AD value, Press **TARE** key and display shows the flashed calibration weight.
3. Press **TARE** key, the display show “-----” then A/D value
4. The calibration is finished , turn the power off

RS232 TRANSMIT FUNCTION

1. When the function **[trAn]** set **[ON]**, The RS232 is activated
2. Baud rate is selected 4800 or 9600 when the function **[t.b.r.]** set 4800 or 9600 .
3. RS232 Transmission Agreement:
 - Mode: Simplex Asynchronous Serial
 - Baud rate: 4800 or 9600
 - Data Bit: 8
 - Parity Bit: NONE
 - Stop Bit: 1
 - Data Format: ASCII
4. Transmission Information Format: 16 Byte , blank=20H
<STX><Status><+/-><D><D><D><D><D><D><U><U><U><U><ETX>
5. Transmission Information Format show:
 - STX: Start of Transmission=02H
 - Status: Status bit
 - Example: *(2AH)=Stable weight, ~(7EH)=Unstable Weight
 - +/-: +=(2BH)=Positive Weight , -=(2Dh)=Negat Weight
 - DDDDDD: Value of Weight , 7 ASCII Code
 - UUUUU: 4 ASCII Code Weight Units: kg or LB
 - ETX: Stop of Transmission =03H

SETTING THE ACCELERATION TO GRAVITY MODE

1. Press and hold [ZERO] then switch the power on, and then press continuously [TARE] three times, the display will show the "A.oFF"., then press the [ZERO] several times until the display show "G.SY" press [UNIT], then press [TARE] to select the "on/off". When the display show "ON", it means acceleration to gravity is active. When the display show "OFF", it means acceleration to gravity is inactive.
2. When acceleration to gravity is active, press the power switch to off, then press power switch to turn the power on again, then press and hold [UNIT] key 3 seconds to enter the acceleration to gravity mode .1). When the display show G.CAL , press [UNIT] "9.0 00" (0 for flash digit) first setting the local gravity. 2). Press [UNIT] key again rightward flash digit, 3).Press [TARE] key, increase digit input the gravity value, press [ZERO] two twice, the display enter to another local acceleration to gravity mode G.USE.
3. press [UNIT] key when the display show "9.0 00" (0 for flash digit), repeat the steps 1)-3) .Press [NET/GROSS], the display will return the normal weighing mode.

interface:

1: signal interface: (microphone socket)

Pin 1 (red) -----→E+ (positive source)

Pin 2 (blue) -----→S+ (positive signal)

Pin 3 (black) -----→E- (negative source)

Pin 4 (yellow)-----→S- (negative signal)

Pin 5 (no)

no sign -----→GND

2: Rechargeable battery socket:

AC/DC 12V-----inner positive ,external negative

NOTE: 1. red LED lights up when charging.

2. when the battery is fully charged, Red and green LED lights flashing alternately

then green LED lights up.

3: RS232 interface: DB9

