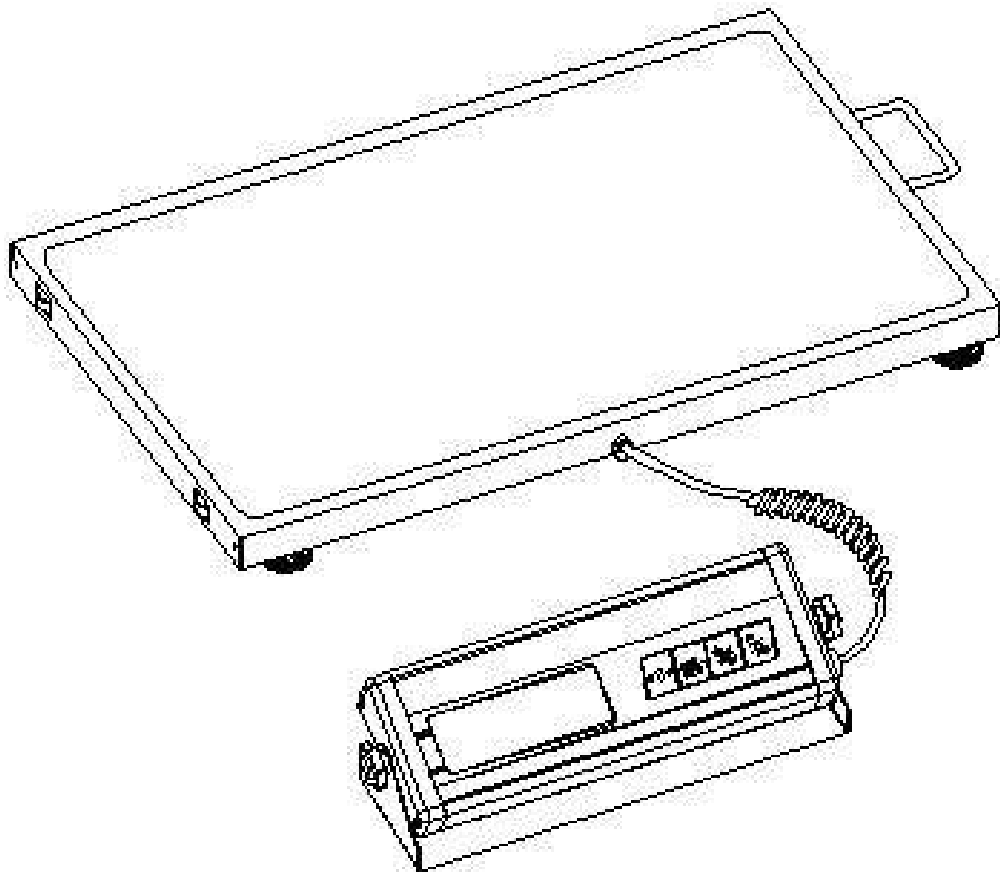





Animal / Shipping Weighing Scale



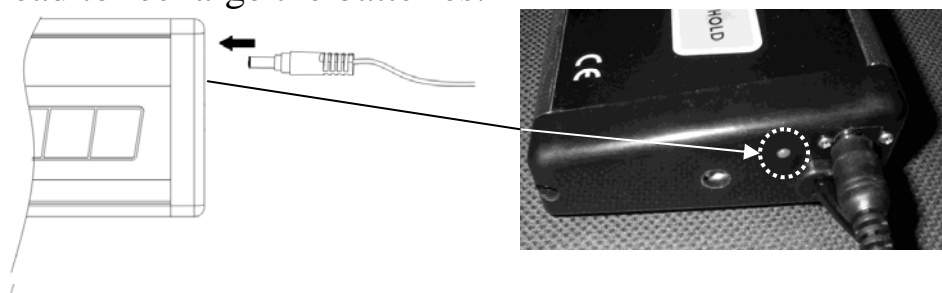
USER'S MANUAL

Power supply

The indicator head contains six metal hydride re-chargeable batteries. The low battery indicator  is displayed when the battery power is insufficient to power the scale.

Recharging the batteries

Insert the AC re-charger adapter into the socket on the indicator head to recharge the batteries.



During the charging, the LCD will be showed 'RED' color. After the indicator is charged Ready, the LED will be showed 'GREEN 'color.

Caution

Always connect the AC adaptor to the indicator head before connecting to the mains power supply. Disconnect from the mains power supply before supply before disconnecting the adaptor from the indicator head.

AC adaptor

The scale uses rechargeable battery pack or 12V 500mA AC adapter.

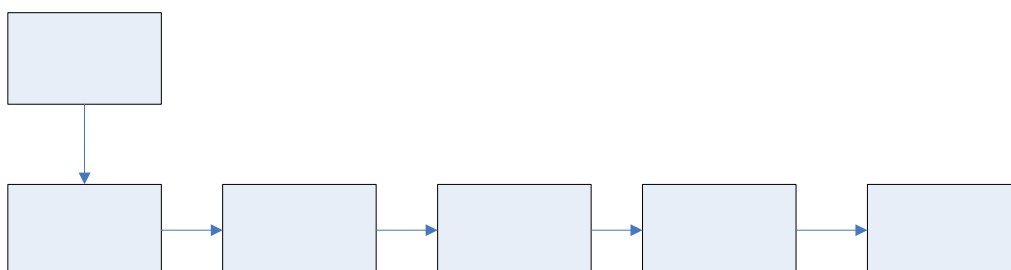
ON/OFF switch (the left of the display)

Press the red key to on/off the scale



The Automatic Turn-off time can be set or disabled (off)

Seconds delay until turn off



The procedure for calibration

1. Press **ZERO** and **UNITS** first, then press **ON/OFF** switch, the display “CALu”, then release **ZERO** key.
2. Press **Unit** key to select weight unit: kg or lb
3. Press **ZERO** key and display shows AD value
4. Press **ZERO** key, waiting for the display “CALIBRATION WEIGHT”
5. Load the calibration weight .(Note: Please see table2—calibration weight)
6. Press **ZERO** key to start calibrating.
7. The display shows “SAVE” and then shows AD value.
8. The calibration is finished, Press **ZERO** key, shut off the scale.

120

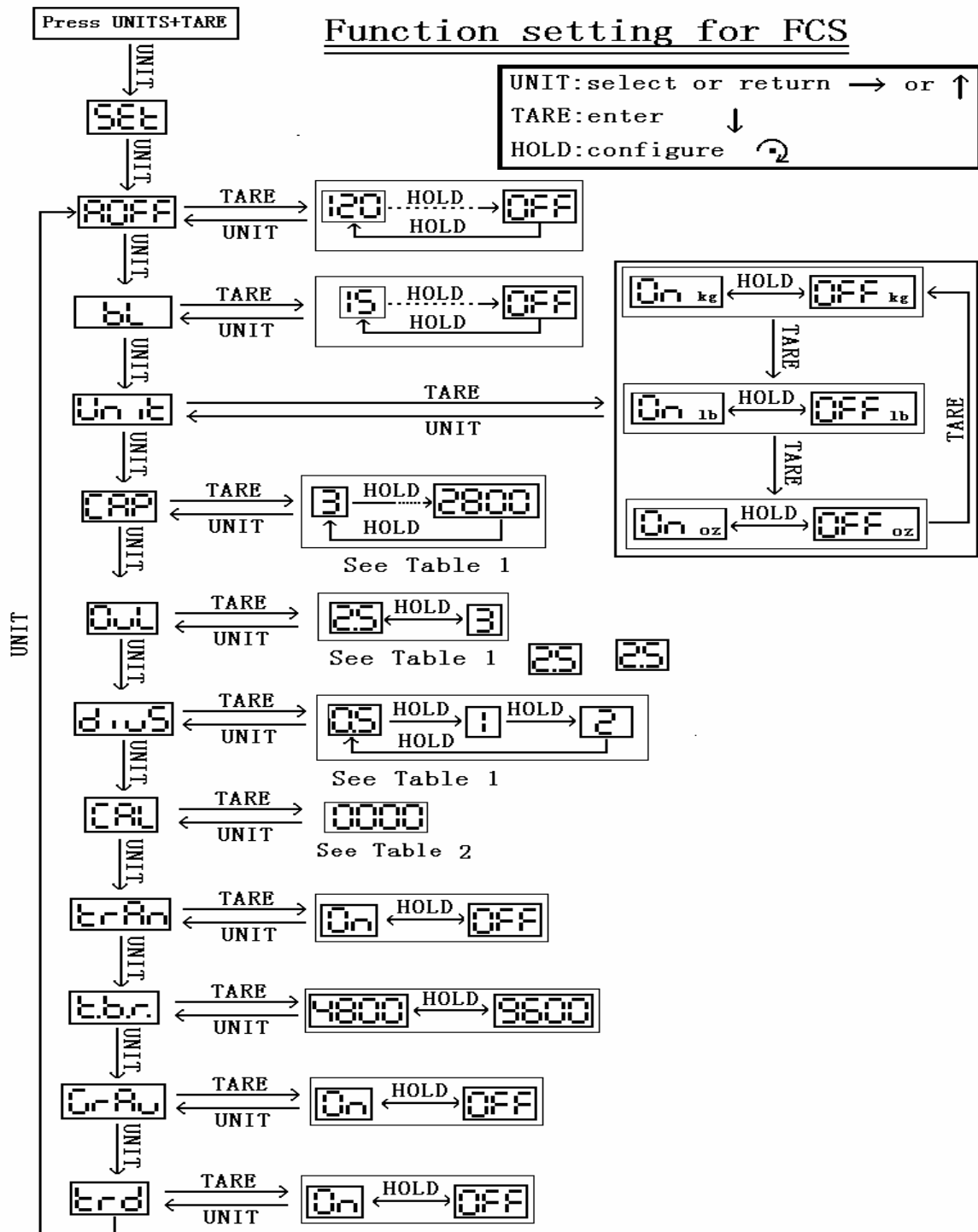
180

240

Function table

Press [TARE] and [UNITS] first, then press [ON/OFF] switch, the display will show “SET”.

Table 2



Key functions

ZERO	UNITS	TARE	HOLD
-------------	--------------	-------------	-------------

1. **ZERO:**

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

2. **UNITS :**

A. Select weigh units : KG/LB/OZ

B. The next time of powering-on will be showed the last using weighing units.

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 tarred value is stored.

4. **HOLD :**



A. Press this key to store weight value.

B. To release Hold feature, Press the HOLD key again.

To release Hold feature and tare the weight, Press the TARE key.

The meaning of function setting

- 1 · **AOFF** : Time for auto off (120s / 180s / 240s /360s / off)
- 2 · **Unit** : Weight units (kg / lb/oz)
- 3 · **CAP** : Capacity
- 4 · **OvL** : Over load
- 5 · **divS** : Division
- 6 · **CAL** : Calibration weight
- 7 · **trAn** : RS232 Transfer
- 8 · **t.b.r.** : RS232 Transfer band rate
- 9 · **Grav.** : Gravity
- 10 · **trd.** : Transfer mode

STATE	DESCRIPTION	Time for shut off	NOTE
	Low battery indication	30 seconds	
ErrE	EEPROM ERROR	30 seconds	
EEEEEE	Overload	30 seconds	
ErrH	Zero value higher	30 seconds	
ErrL	Zero value lower	30 seconds	
	Zero tracking	According as time of shut off	
Minus weight value	Display of weighing is minus value	According as time of shut off	
Same weight value	Display of weighing is Same weight value	According as time of shut off	Inclusion zero tracking and minus weight

Differ weight value	Display of weighing is Different weight value	No Off	Inclusion minus weight
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If an empty container is used the weight can be ignored by zeroing the display. To zero the display, press the **TARE** key. Then when material is placed in container only the weight of the material will be shown.

SPECIFICATION

Capacity 150 kg x 50 g / 300KG X 100G
Display Easy to read 1.2" LCD display with 5 active digits
Operating temperature 5c ~ 35c
Weight 23.5 KG
Display head 950mm x 500mm x 45mm
Power supply : 12V 500mA AC adapter / Rechargeable batteries
SUS 304 stainless steel platform

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

[illegible]

U><U><U><U><U><ETX>

5. Transmission Information Format show:

STX: Start of Transmission=02H

Status : Status bit

Example : $\ast=(2A\mathcal{H})=\text{Stable weight,}$

$\sim (7EH) = \text{Unstable Weight}$

+/-: +=(2BH)=Positive Weight , -=(2Dh)=Negat Weight

DDDDDDD: Value of Weight, 7 ASCII Code

UUUUU: 4 ASCII Code Weight Units:KG/LB/OZ

ETX: Stop of Transmission =03H

Safe description

- The scale uses a liquid crystal display. If the LCD breaks and the liquid leaks from the LCD, don't touch it. The liquid is toxic if ingested.
- The platform is designed for easy clean-up.
- The scale isn't an explosion proof model. Don't use the scale in an atmosphere containing flammable gases or explosive fumes. A fire or an explosion can result.
- Do not operate the scale if there is smoke or a burnt smell coming from the scale. Remove the AC adaptor immediately. After making sure that there is no danger, consult your dealer. Never try to repair the scale by yourself.
- If the scale becomes dirty, wipe it with a soft cloth. For stubborn stains, apply a little neutral detergent and then wipe the scale with a dry cloth. Don't use thinner, benzene, or chemical agents, all of which can cause deformation, discoloration, or deterioration of the scale.
- The scale is a sensitive weighing instrument, avoid physical shocks. If you drop something on the scale, step on the platform, or drop it, the scale may be damaged and lose accuracy.
- Don't push the indicator or keys with sharp objects. They may break or puncture the switch membrane panel.

To keep the scale working efficiently

- Place the scale on a flat stable surface that will support the scale and the load.
- The operating temperature range is from 5 °C to 35 °C.
- Don't disassemble or modify the scale, you will void the warranty. Modified scales will not be legal for trade.

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