

**Indicator**

**INSTRUCTION MANUAL**

## **KEY DESCRIPTIONS**

<b>ON/OFF</b>	<b>HOLD</b>
<b>UNIT</b>	<b>ZERO</b>
<b>PRINT</b>	

### **1. ON/OFF:**

**Turns the scale power on/off.**

### **2. HOLD:**

**A. Press this key to store weight value.**

### **3. UNITS**

**A. Select weigh units kg or lb .**

### **4. ZERO**

**This key is “Zero” feature if load is below 4% of full capacity or a negative value. between 4% and 50% is tare function**

### **5. PRINT:**

**Press once and send weight information once.**

1


## **Work mode setting of the indicator:**

1. press and hold [UNIT] key and [HOLD] key, then press [ON/OFF] key to turn on the scale, the display will show Ani.Sw, press [UNIT] key press [ZERO] key to select ON or OFF ( ON means animal mode, OFF means normal weighing mode),press [HOLD] key to confirm the selection.
2. press [HOLD] key again to enter into next menu, the display will show Ani.Kd, press [ZERO] key to select animal scale anti-shock range among 50, 100, 200, 400,
3. press [HOLD] key to confirm the selection. press [HOLD] key again to enter into next menu, the display will show Ani.fd, press [ZERO] key to select animal scale fliter range among 0.5, 3, 5, 8,
4. press [HOLD] key to confirm the selection. press [HOLD] key again to enter into next menu, the display will show Ani.Ft, press [ZERO] key to select animal scale flister time among 1,2,3,4,press [HOLD] key to confirm the selection

## **FUNCTION SETTINGS**

press and hold [HOLD] key then press [ON/OFF] key to turn on the sclae, the display will show A-ON or A-OFF, press [ZERO] key to select on or off (ON means activate auto power off function , off means inactivate auto power off function). press [UNIT] key, the display will show L-ON or L-OFF, press [ZERO] key to select on or off ( ON means activate backlight , OFF means inactivate backlight).

## Features

1. Display options □ 5 digital LCD
2. Power □ recharge / AC adapter 9V 150mA
3. Auto back light (option)
4. Auto off (optional)
5. Operating Temperature □ 5 □ 35 □
6. Operating Humidity □ 25 □ □ 95 □ RH
7. 5Keys □ ON/OFF, ZERO, UNITS, HOLD, PRINT
  - ZERO This key is “Zero” feature if load is below 4% of full capacity or a negative value
  - UNITS Toggle among KG or LB unit
  - ON/OFF Turns the scale power on/off
  - HOLD Press this key to store weight value
  - PRINT Press once and send weigh information once.
10. Zero Range (4% to full capacity)
11. Tare Range (50% to full capacity)
12. Error Message indication □
  - Err-0 Ovrload
  - Err-2 Exceed zero track range when power on
  - Err-5 Unstable when power on
  - Err-c Calibration code is not enough or operation error.
  -  Low battery indication
13. Two calibration weight units : kg , lb.
14. Open calibration capacity

15. Power on zero-setting range:  $\pm 10\%$
16. Zero range:  $\pm 4\%$  of full capacity
17. Three modes : Normal mode / Setting mode /Internal Auto Calibration mode
19. RS232 function

## When to calibrate

Calibration may be required when it is initially installed, if the scale/balance is moved to a substantial distance.

This is necessary because the weight of a mass in one location is not necessarily the same in another location. Also, with time and use, mechanical deviations may occur.

## Calibration Weight

press and hold [ZERO] key then press [ON/OFF] key, the display will show CAPU=, press [UNIT] key to select full capacity unit kg or lb, press [HOLD] key to confirm the selection. press [HOLD] key again to enter into next menu, the display will show CAP, press [UNIT] key to set full capacity, press [UNIT] key to move the flash digit to right, press [ZERO] key to increase the flash digit, press [HOLD] key to confirm the selection. Press [HOLD] key again to enter into next menu, the display will show CALU=, press [UNIT] key to select calibration unit kg or lb, press [HOLD] key to confirm the selection. press [HOLD] key again to enter into next menu, the display will show CAL, press [UNIT] key to set calibration weight ,press [UNIT] key to move the flash digit to right, press [ZERO] key to increase the flash digit, press [HOLD] key to confirm the selection ( the calibration weight should be more than 2/3 of full capacity. press [HOLD] key again to enter into next menu, the display will show DIV, press [UNIT] key to select division, press [HOLD] key to confirm the selection. press [HOLD] key again to enter into next menu, the display will show ADC, press [UNIT] key to select 18,press [HOLD] key, and then display will show CAL.

press [PRINT] key, the display will show CAL AD value, press [UNIT] key when the stable indicator lights. the display will show flash calibration weight, place the shown weight, press [UNIT] key when the stable indicator lights, the display will show xxxx AD value. Turn off the scale now, calibration finished.

Turn on the scale, place test weight to check whether it is correct, if not, please repeat above segments.

2. Transmission Information Format □ 20 Byte □ blank=20H

2

## 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 (white) -----→S- □ negative signal

Pin 5 □ no

no sign -----→GND

### 2 □ Rechargeable battery socket

AC/DC 9V -----external positive, inner negative

### 3 □ RS232 interface □ DB9

#### RS232 TRANSMIT FUNCTION

#### 1. RS232 Transmission Agreement

- Mode □ Simplex Asynchronous Serial
- Baud rate □ 9600
- Data Bit □ 8
- Parity Bit □ NONE
- Stop Bit □ 1
- Data Format □ ASCII

**M= overload mode**  
**W= normal weighing mode**

**: = weight information**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
W/M	:	±																CR	LF

**Weight information      Unit formation**

3

**Exempla: 50kg**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
W	:	+							5	0	.	0	k	g				CR	LF