PIZA+ Bluetooth SCALE
INSTRUCTION MANUAL

PIZA+ 12 PIZA+ 25

SAFETY PRECAUTIONS

All safety messages are identified by the following the words "**WARNING**" and "**CAUTION**". These words mean the following:

△WARNING	Important information to alert you to a situation that might cause serious injury and damage to your balance if instructions are not followed.
△CAUTION	Important information that tells how to prevent damage to equipment.

When using the scale/balance, the following safety precautions should always be followed.

△ WARNING

Use only the AC adaptor supplied with the scale and indicator.. Other adaptor may cause damage.

When the sign"⊟" is lit, it indicates the indicator is low battery.

When the sign "⊟" is flashing, it indicates the scale body is low battery. Please charge the battery for 4 to 6 hours. When the charging LED turns from yellow to green, it indicates that the battery charging is completed. Please unplug the charger (adapter) in time, because overcharging will cause battery damage.

.After charging, the battery does not last long, please contact the supplier to replace new battery.

△ CAUTION

Avoid using the balance under direct sun light. This may cause discoloration or malfunctions. Do not use scales onto the carpet base, it may cause scales inaccurate and need re-calibration.

Avoid overloading the scale, as this may cause permanent damage and void your warranty – do not EVER exceed the maximum capacity of the scale.

Keep the scale away from water – *this scale is not water resistant.* Shock, injury and electrical damage can occur if used in a wet location!
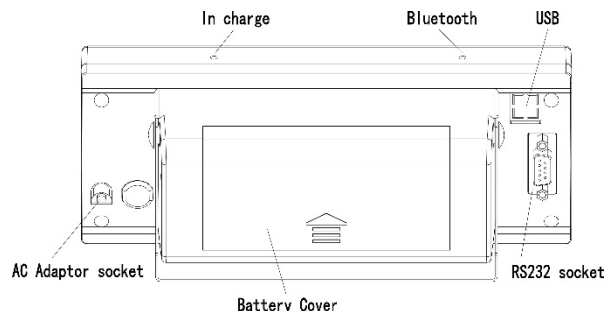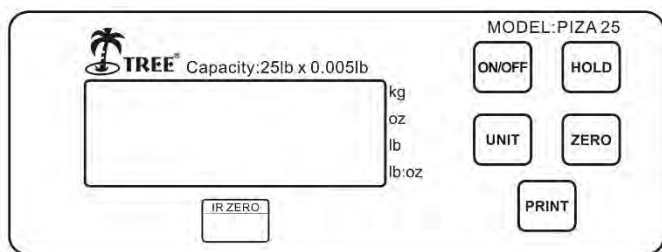
·**Display**

1. **ON/OFF:** Turn the scale power on/off.
2. **HOLD:** Press this key to store weight value.
3. **UNIT：** Select weighing units: kg/lb/oz/lb:oz.
4. **ZERO：(for TARE)**

    This key is "Zero" feature if load is below 10% of full capacity or a negative value, and is tare function between 10% to full capacity. It has multiple tare function, but total weight of before and after Tare must be less than its full capacity.
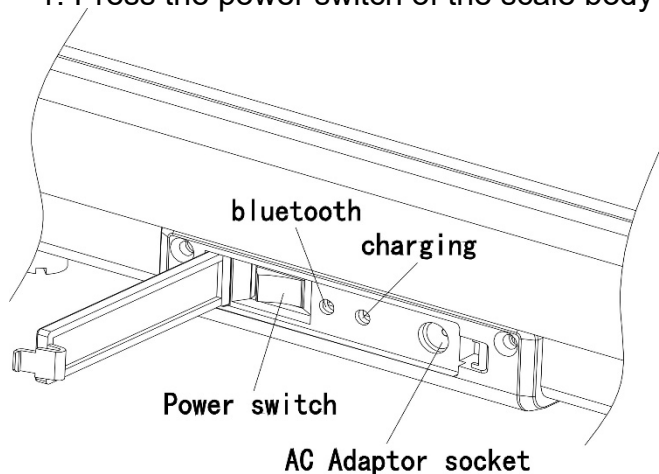
5. **PRINT:** Press once and send weight information once.

6. IR ZERO switch: With the same functions as ZERO key.
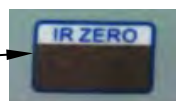
Working Mode

1. Press the power switch of the scale body to turn on the scale.

2. Press [ON/OFF] key on the indicator to turn on the indicator. The Bluetooth LEDS on the indicator and the scale body both change from flashing to bright, indicating that the indicator and the scale body are connected successfully. The indicator will display a string of self-checking characters from '99999' to "11111" for a few seconds and "------"then 0.00, now the scale enters the WEIGH mode.

Cautions

If you press [ON/OFF] key on the indicator to turn on the indicator, the Bluetooth LED on the indicator is flashing all the time, and the indicator will display a string of self-checking characters from '99999' to "11111" for a few seconds and "no-s""------",. After 1 minute, the indicator will automatically shut down.

The reason for this phenomenon may be that the power switch of the scale body isn't turned on. Another possibility is that the battery of the scale body is too low, please charge in time.

Features：

1. Display options：5 ½ digital LCD
2. Power：AC adapter 12V 1A
3. Auto back light (selectable)
4. Auto off (selectable)
5. Operating Temperature：0-40℃(32-104℉)
6. Operating Humidity：25％～95％RH
7. 5 Keys：ON/OFF, ZERO, UNIT, HOLD, PRINT, and IR switch for TARE function
8. Zero Range (0 to 10% of full capacity)
9. Tare Range (10% to full capacity)
10. Error Message indication：

    Err-0   Overload

    Err-s   Unstable when power on

    Err-c   Calibration code is not enough or operation error.

    no-s   Bluetooth not found when power on

    ⊞   Low battery indication
11. Two calibration weight units (Optional): kg , lb
12. Open calibration capacity
13. Wireless indicator
14. USB function
15. RS232 function

FUNCTION SETTINGS

1. Press and hold [HOLD] key then press [ON/OFF] key to turn on the scale, the display will show A-ON or A-OFF, press [ZERO] key to select on or off (ON means auto power off function activate, and it will be shut down in about 200 seconds under steady state. OFF means auto power off function inactivate).

2. Press [UNIT] key, the display will show L-ON or L-OFF, press [ZERO] key to select on or off (ON means auto backlight function activate, OFF means auto backlight function inactivate).

3. Press [UNIT] key, the display will show P-XX. Press ZERO key to select OFF, key, con and Stb. (OFF means RS232 function inactivates, KEY means that output the data by pressing [PRINT] key. Con means that output the data continually. Stb means that output the data when reading is stable)

HOLD FUNCTION

1) Place the item on the Scale platform.

2) Wait for the stable weight to be displayed.

3) Press the HOLD key. The " **.** " hold indicator will turn on.

4) Remove the item from the Scale platform, the item's weight reading will remain on the display. Now you

can also select units by pressing [UNIT] key.

Quit HOLD function: Once an item is weighed and the hold function is enabled, you want to quit HOLD function, press the HOLD key again to cancel the "**.**" hold indicator and return the Scale to weighing mode

FUNCTION SETTINGS **Bluetooth reconnect**

When reconnecting, make sure that only the one to be connected is turned on within 5 meters, and other Bluetooth devices are turned off.

1. Press the power switch of the scale body to turn on the scale.
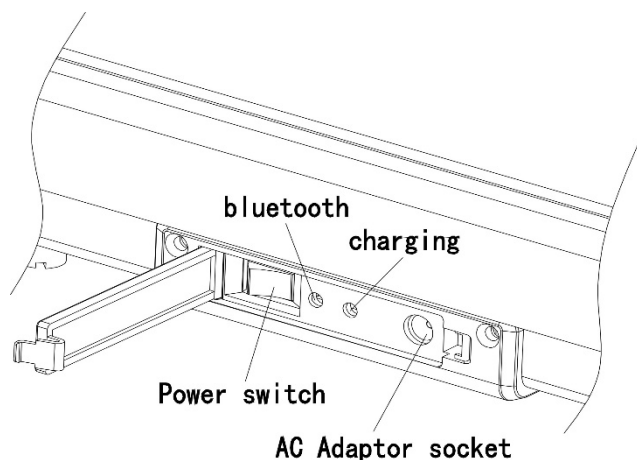
2. Press and hold the [PRINT] key and then press the [ON/OFF] key to turn on the indicator, the display will show ".CLEAr"

3. Press the [ZERO] key, and the display will display "-----". "CLEAr ",wait for 3~5 seconds, and the Bluetooth red LED on the indicator and the scale changes from flashing to constant light, indicating that the indicator and the scale are successfully connected by Bluetooth.

4. If you don't replace the meter head or scale body, just reconnect it with Bluetooth, and restart it to use it. If the meter head or scale body is replaced, calibration is required

When to calibrate

Note: Calibration is done in factory. Don't re-calibrate the Scale, unless it is not accurate.

Calibration:

A. Turn on the power switch of the scale,   Press and hold **[ZERO]** key then press **[ON/OFF]**, the display will show **"CAPU="**, press twice **[HOLD]** key, the display will show **CALU=**, press **[UNIT]** key to select calibration unit kg or lb, it will have a small triangle on the right to indicate kg or lb, press **[HOLD]** key to confirm the selection.

B. Press **[HOLD]** key again, the display will show **CAL**, press **[UNIT]** key to

set calibration weight. Press **[UNIT]** key to move the flash digit to right, then

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), it will show CAL.

C. Press **[PRINT]** , it will show CAL and AD value.

D. Press **[UNIT]** key, the display will show the flash calibration weight, place the shown weight on the platform, press **[UNIT]** key when the stable indicator brightens up, the display will show "**--------**", then the AD value. Restart the scale and calibration has done.

RS232 TRANSMIT FUNCTION

1. RS232 interface：DB9

```
       SCALE                          PC
 RXD  2                              2  RXD
 TXD  3                              3  TXD
 GND  5                              5  GND
```
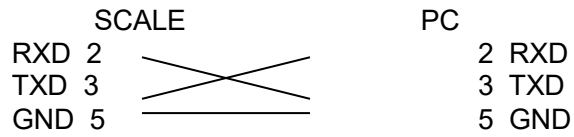
2. USB interface：USB-B

3. RS232 /USB Transmission Agreement：
- Mode：Simplex Asynchronous Serial
- Baud rate：9600
- Data Bit：8
- Parity Bit：NONE
- Stop Bit：1
- Data Format：ASCII

3. Transmission Information Format：20 Byte ，blank=20H

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

Exampla: 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

<u>Warranty</u>

LW Measurements products are under warranty against factory defects for a period of two (2) years from the date of shipment for Customers in the continental United States.

LW Measurements will pay for freight both ways within the first 30 days of purchase if technical support is required. (Determined by our certified Technical Support Team) In the event technical support is needed the customer is responsible for shipping the product back to us after the 30 day period has expired. Once the product is received, the technical support team will inspect and as necessary repair or replace the scale. LW Measurements will ship the product back to the customer at our expense.

Any new scales returned for warranty must be properly packaged in the original box. If they are not properly packed in the original box, the customer is responsible for the shipping cost. If we determine there is a factory defect, we will provide a replacement and accept responsibility for shipping back to customer. If we determine that it is not a factory defect, the customer will be responsible for shipping fees incurred.

For Customers outside the lower 48 States, including Mexico, Canada, Puerto Rico, Hawaii, Alaska and all other countries are responsible for all shipping fees incurred.

Our warranty does not cover misuse or neglect including but not limited to battery or water damage, overloading, and chewed or cut wires, keypad damage (punctures), scratched platforms, dented platforms unless caused by shipping (Must report/return within 30 days). If the product is found to have been misused or damaged by the customer, LW measurements is not responsible for the cost of return.

For warranty claims please call your customer service representative.