

Value Each Gram

Value Each Gram A professional weighing products manufacturer and supplier



Refrigerant Scale **RFW**  
User Manual

v.201602

- (4) After controller and platform are SYNC successfully, weighing platform will quit 'wireless sync mode'. '-succ-' will be displayed on LCD of controller and then controller will quit 'wireless sync mode'.

#### 4. CALIBRATION

- (1) Turn on the platform. Make sure there are no weights on it.
- (2) Turn on the controller and enter into 'calibration mode' (after the controller is turned on, press and hold 'SET' key until '1-SYNC' was shown on LCD, release 'SET' key and press '▲' key to switch '1-SYNC' to '-2-ADJ-', then press 'RUN/STOP' key.
- (3) In 'calibration mode', weight on platform will be shown on LCD. If the weight is not zero on LCD, press 'ZERO' key to zero out.
- (4) Place a 60 kgs standard weight on platform. Wait until the weight data on LCD is stable, press 'RUN/STOP' to start and finish calibration.

NOTE: calibrate the charging scale only after the controller and the platform are SYNC successfully.

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## Introduction

With the development of the wireless terminal technology and the support of existing technology, our company researched and developed multi-function RF100 wireless charging scale which can help you maintain your refrigeration system better.











Thanks for purchasing our products!

## Features

### RF100 WIRELESS CHARGING SCALE




1. 4 Units: KG, LBS, LB+OZ\*, OZ
2. High Capacity: 100KG
3. Low accuracy  $\pm 5g$ ; high accuracy  $\pm 2g$  (shift accuracy by pressing 'resol' button)
4. Wireless sync ( sync controller with weighing platform )
5. Low power consumption ( low power consumption microprocessor imported from the U.S.A.)
6. Ultra-high strength al alloy weighing platform(stable & durable)
7. Carrying case ( need not take weighing platform out of carrying case. more convenient)
8. Automatic power off (after 10 mins of no changing of weight on platform)
9. Batteries power ( no need of external power supply.  
Platform: 1.5V $\times$ 6; Controller: 9V $\times$ 1; Long battery life)

## SET CHARGING WEIGHT:

- (1) Press '  ' to enter 'charging mode'. In this mode, the digit which to be set will be twinkling.
- (2) Press '  ' or '  ' to move the digit position which will be set.
- (3) Press '  ' to increase charging amount; press '  ' to decrease charging amount; press '  ' to zero out.
- (4) Press '  ' to start charging ( NOTE: if a weight  $< 10g$  is set, charging will not start.
- (5) When system is running in 'charging mode', press '  ', to stop charging; press '  ' to pause the charging and press '  ' again to resume charging.

NOTE: When refrigerant charging is finished, buzzer will run at intervals to remind user. press any key to stop the buzzer.

## 3. WIRELESS SYNC










- (1) Turn on the controller and enter into 'wireless sync mode' (when the controller is turned on, press and hold '  ' until '1-sync' is displayed on LCD and then press '  ' to enter into 'wireless sync mode'.
- (2) In 'wireless sync mode', '-SYNC-' will be displayed on LCD of controller and controller will searching weighing platform with twinkling wireless signal.
- (3) Press '  ' on Weighing platform, wait until platform enter 'wireless sync mode' and then status indicator light will turn on.












## 2. SET CHARGING WEIGHT

Turn on the charging scale and press 'SET' to enter 'charging mode'.

Key function in charging mode:

### The keypad functions

S/N	KEY	Description
1		Turn on/off equipment
2		Zero out.NOTE:can not switch units in'charging mode'
3		Turn on/off backlight
4		Move digit setting position to the left
5		Press the key: increase setting amount; press and hold the key: fast increase setting amount.
6		Move digit setting position to the right.
7		Quit 'charging mode'
8		Press the key: decrease setting amount; press and hold the key: fast decrease setting amount.
9		Run/stop 'charging mode'

10.Set charging weight(solenoid valve & circuit board in platform)

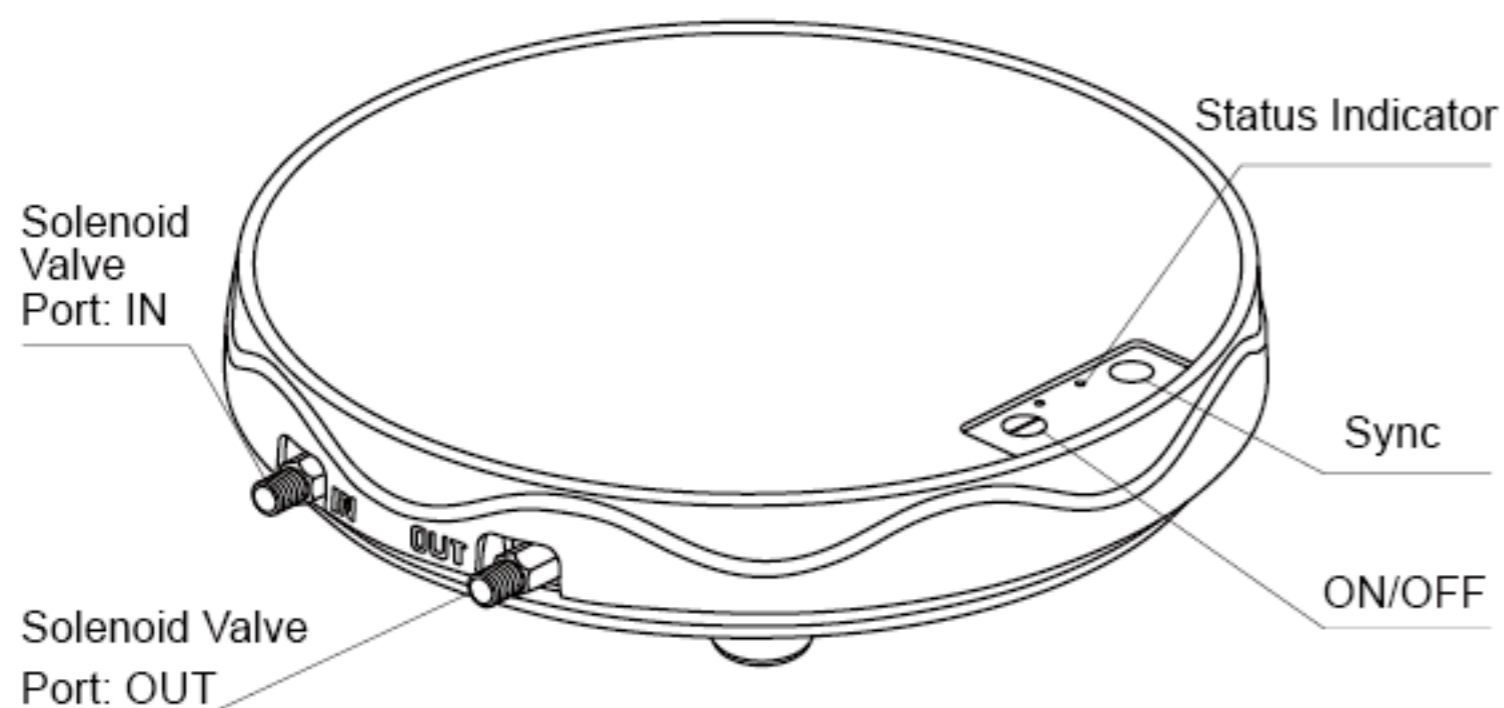
11.Audible and visual alarm(when target setting reached)

## Specifications

Capacity	100 kilograms (220 pounds)
Accuracy	±5g
Resolution	5g 0.010 lbs 0.18oz/2g 0.004 lbs 0.07oz
Power	5 x 1.5 V 'AA' alkaline batteries (7.5VDC)
Battery life	60 hours continuous use
Operation temperature	10℃ -50℃ (50F-122F)
NET weight	3.7 kgs(8.16 LBS)
Platform dimensions	33.5 x 31.5 x 7.5cm

**NOTE:** To prevent damage,never exceed the rated capacity of the RF100.

**Diagram**



**OPERATION OF FUNCTIONS**

**1. WEIGHING**

Key functions in weighing/charging mode:


**The keypad functions**

S/N	KEY	Description
1		Turn ON/OFF equipment
2		zero out
3		Press:units switch; press and hold: turn on/off backlight.
4		Pause,remain the dates on screen.
5		Invalid in weighing mode.
6		Resolution switch
7		Enter into 'Charging mode'
8		Invalid in weighing mode
9		Press and hold this button, solenoid valve will be turned on. release the button, solenoid valve will be turned off.

### 3. CHARGING

Refrigerant charging according to customers' requests. after enter into 'CHARGING MODE', solenoid valve is turned on. When weights on weighing plate reach setting amount, solenoid valve will be turned off and sound-light alarm remind user that charging work is finished.

### 4. WIRELESS SYNC

Controller sync only one platform. each charging scale own only one series number. when first use, it's necessary to sync controller to platform.

### 5. CALIBRATION

After a long time use, if the charging scale don't weighing accurately, please calibrate it. A 60 kg standard weight is needed.

### 6. SOUND-LIGHT ALARM

Signal (or status) indicator and buzzer are built in controller and weighing platform.

When charging scale work normally, wireless signal indicator will twinkle periodically to indicate connection status. 1~3 wireless signal icon on LCD will indicate the signal strength.

When refrigerant charging is finished, buzzer will run periodically to remind user.

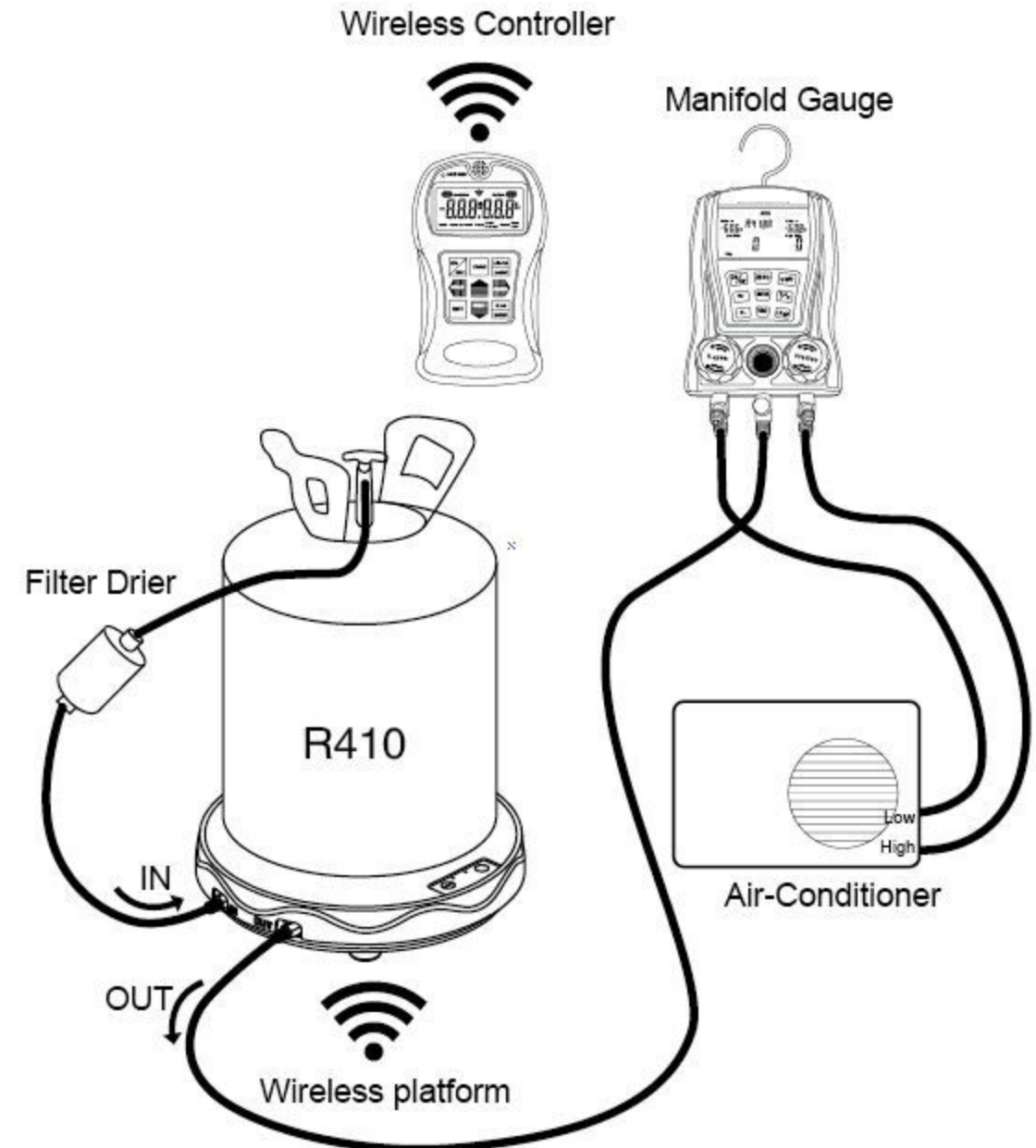
When any key is pressed, a beep will be heard if the key work normally.

### 7. LOW POWER CONSUMPTION

Low power consumption microprocessor imported from America Ti company. Lower system power consumption.

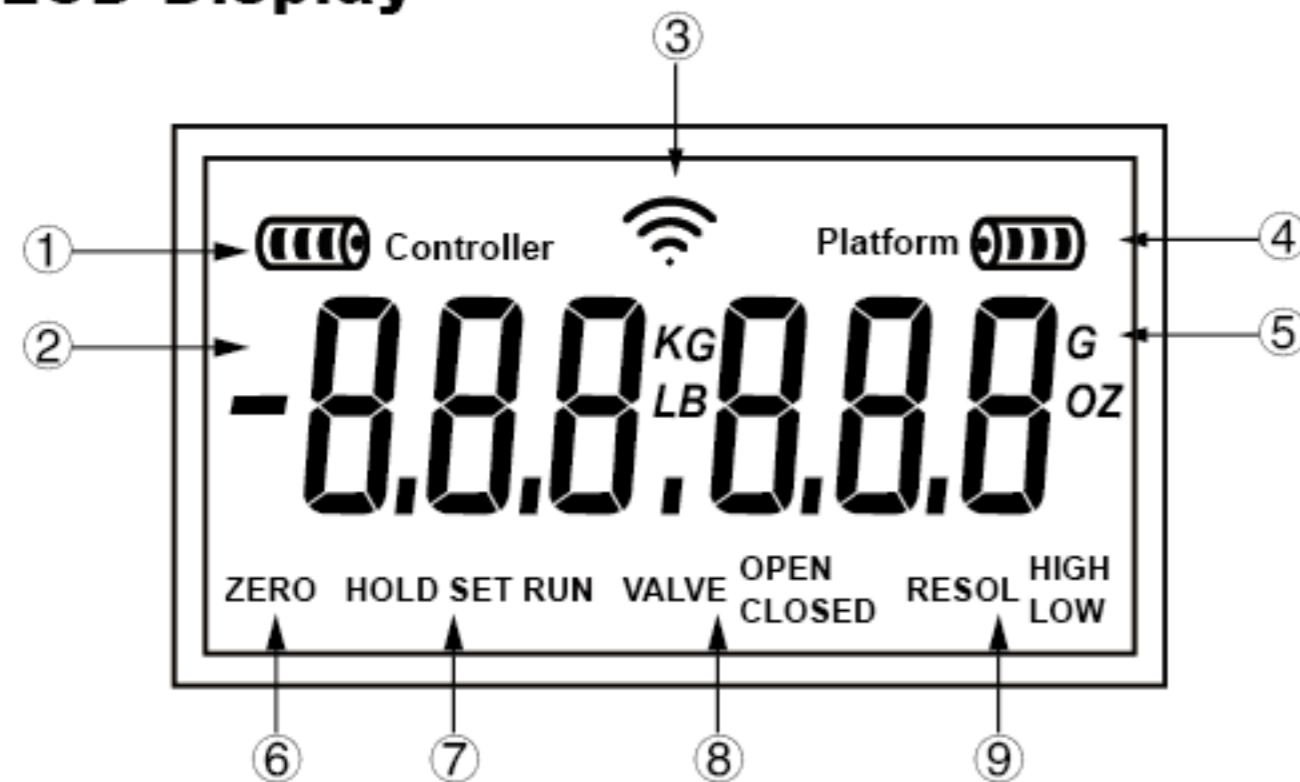
### 8. AUTO POWER-OFF

When there is no connection between equipments (e.g.: controller power off), the equipment will standby 1 minute and then power-off to save batteries power.





## LCD Display



ITEM	DESCRIPTION
①	Controller Battery
②	Data
③	Wireless Signal
④	Platform Battery
⑤	Units (G,OZ,KG,LB)
⑥	Zero Out
⑦	Status (HOLD,SET,RUN)
⑧	Solenoid Valve (OPEN/CLOSED)
⑨	Accuracy (LOW/HIGH)

## WK-RF100 WIRELESS CHARGING SCALE

### Function Introduction

#### 1. Mode Introduction

Modes Included In This Equipment

S/N	MODE	FUNCTIONAL DESCRIPTION
1	Weighing mode	Default mode with weighing, unit switch, turn on/off solenoid valve functions.
2	Charging mode	(solenoid valve is turned on) automatic switch to weighing mode when weights on platform reach set amount. meanwhile alarm triggered.
3	Wireless sync mode	SNYC controller with weighing platform
4	Calibration mode	Calibration

#### 2. Weighing

- 1 ) 4 Units: KG, LBS, LB+OZ, OZ
- 2 ) High Capacity: 100KG
- 3 ) Low accuracy  $\pm 5g$ ; high accuracy  $\pm 2g$  (switch accuracy by pressing 'RESOL' button)
- 4 ) overload indicate: if a weight over 100kgs were loaded on platform, 'OL' will be displayed on LCD of WK-RF100. In order to avoid damage, move away the weight from platform right now.