

U1

Lightweight Refrigerant Electronic Scale

Operation Instructions



Thank you for choosing Elitech electronic refrigerant scale. Please read the instructions carefully before using, especially the section of "Safety Cautions". Please keep the instructions for reference.

Safety Cautions

- △ Please use this product on a flat and hard surface, so as to avoid the errors or damage to the sensor.
- △ Do not use chemical solvents, corrosive liquid to wipe the scale
- △ Do not remove the scale structure and internal device, it can affect the weight precision
- △ Do not press hard the handle controller, so as to maintain the durability and sensitiveness of the touch screen.
- △ Do not repeatedly take in and out the handle controller, so as to avoid damaging the handle controller placement bin.

Technical Specifications

Maximum weight	100kg (220lb)
Resolution	5g
Accuracy	± 0.05% rdg+10g
Unit	kg g; lb oz
Life time	Handle: 6H; Scale: 50H (without using reverse charging function)
Power supply	Handle: 2500mAh lithium battery Scale: 5000 mAh lithium battery
Operating temperature	-20°C ~70 °C/-4°F~158°F
Storage temperature	-30 °C ~85 °C/-22°F~185°F
Relative humidity	50~85% HR
Wireless transmission distance	30m
Product size	246*246*57.5mm/9.7*9.7*2.3 inch
Weight	2.1 kg/4.6 lb
Display	4-inch touch screen

On and Off



1. Scale power button:

When the scale is off, short press the scale's power button, the red light on the power indicator will flash once, after it halts, there will be a beep sound. Then, the initialization is completed. The indicator light turns red and flashes out, the scale entered its searching mode.

When the scale is on, long press the scale power button for 3s, and the scale will turn off.

2. Controller power button:

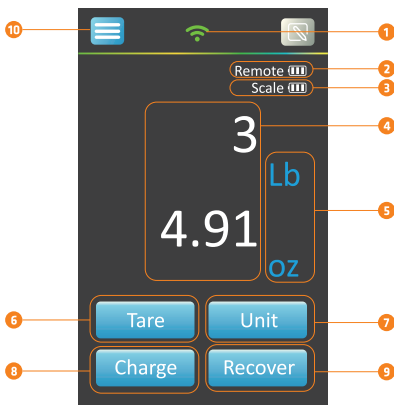
In the power off mode, short press the button to turn on, and the touch screen display automatically enters the measurement main interface. At this point, the handle is automatically connected to the scale and the green light of the power indicator on the scale will flash (Bluetooth connection status);



In the power on mode, long press the button for 3s, and the handle will be turned off.

Operation Interface Introduction

Measurement Main Interface

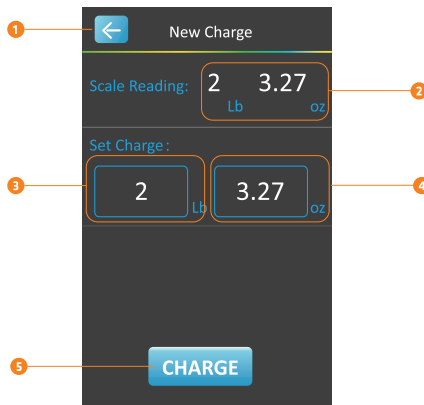
After the handle controller is turned on, it automatically enters the measurement main interface.



1. Bluetooth icon:  Bluetooth unconnected status;  : Bluetooth connected status
2. Battery capacity of the handle controller
3. Battery capacity of the scale
4. Weight display area, display the weight in real-time.
5. Measurement unit , displays the current unit.
6. Zero clearing: Touch Tare to clear to zero
7. Units: Touch Units to switch the units between Kg g and Lb oz.
8. Charging Settings: Touch to enter the setting interface. The charging process is described below.
9. Recovery: Touch to enter the recovery setting interface. The process is described in the details below.
10. Menu: The settings can be conducted such as [Key tone] on/off, [About] version view, etc.

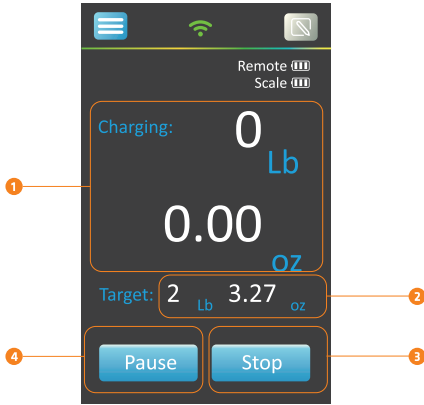
The specific operations are described in the details below.

Charge setting interface



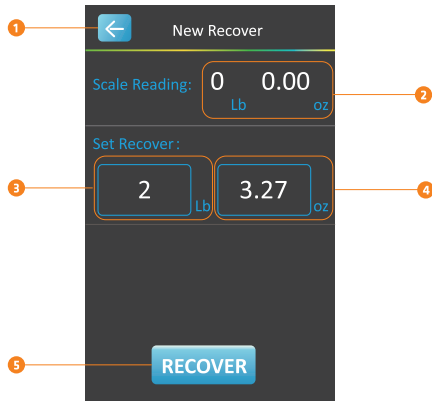
1. Exit: Touch to exit the charging settings and return to the measurement main interface
2. Weight display area: Displays the weight in real time
3. Input the charging amount (Lb): Touch the Lb to set the refrigerant charging amount
4. Input the charging amount (oz): Touch the oz to set the refrigerant charging amount
5. Confirm the charge: Touch CHARGE to initiate the process.

Charging Settings



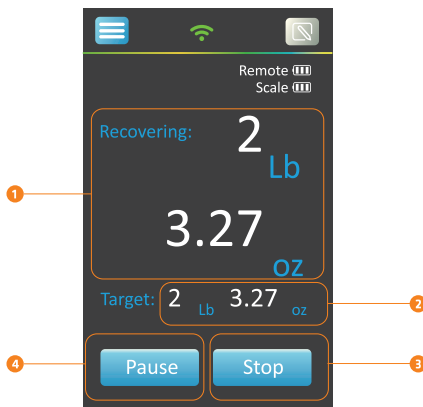
1. Displays the charging amount in real time
2. Displays the target amount
3. Stop charging. Click **Stop** , it will pop up the Close Valves prompt window. **X** Close the Close Valves prompt window; **✓** Quit the charging process and return to the measurement main interface. (It is necessary to note that the user is required to manually close the refrigerant valve to stop the charging process, **Stop** function can only be operated in the controller)
4. **Pause** Function is not supported by this version.

Recovery Settings



1. Exit: Touch to exit the recovery area and return to the measurement main interface.
2. Weight display area: Displays the weight in real time
3. Input the recovering amount (Lb): Touch the kg to set the refrigerant recovering amount.
4. Input the recovering amount (oz): Touch the g to set the refrigerant recovering amount
5. Confirm the recover: Touch RECOVER to initiate the process.

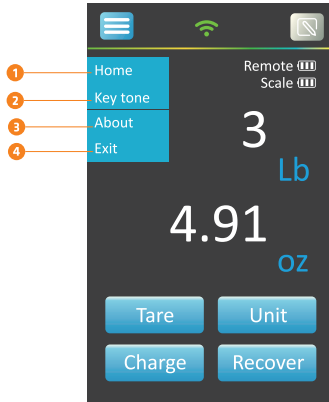
Recover work interface



1. Displays the recovery amount in real-time
2. Displays the target amount
3. Stop the recovery. Touch **Stop**, pop up the Close Valves prompt window. **X** Close the Close Valves prompt window; **✓** Quit the recovery process and return to the measurement main interface. (It is necessary to note that the user is required to manually close the refrigerant valve to stop the recovering, **Stop** function can only be operated in the controller)
4. **Pause** Function is not supported by this version


Menu

Touch  on the measurement main interface to enter the menu.



1. Touch **Home** , and return to the measurement main interface.
2. Touch **Key tone** to make the audio on/off . Choose **ON** to turn on the touch buzzer.
choose **OFF** to turn off the touch buzzer.
3. Touch **About** to check the device's version, and click anywhere to return to the main measurement interface..
4. Touch **Exit** , exit the menu settings interface, and return to the measurement main interface.

Rapid Application

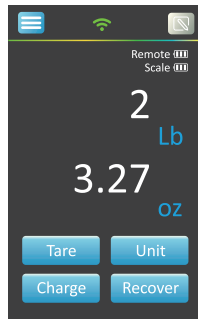
1. Place the scale on a hard, horizontal surface.
2. Short press the power button of the scale  , after the flashing red light on the power indicator stops, there will be a beep sound to start the weighting process, and the red light on the power indicator light will flash (Bluetooth unconnected status).
3. Short press the power button on the right side of the handle to turn on, and the touch screen display automatically enters the measurement main interface. The handle is automatically connected to the current scale, and the green light on the power indicator of the scale will flash(Bluetooth connection status)
4. Choose measurement unit by **Unit** .
5. Conduct the operations of zero clearing by **Tare** .
6. Place the item to be weight on the platform of the scale and read the weight value directly after the shown weight on the weight display area is stable.

- Conduct the charging process: short press **Charge**, enter the charging settings interface, set up the charging value, short press **CHARGE** and start the charging.
- Conduct the recovery process: short press **Recover**, enter the recovery settings interface, set the value, short press **RECOVER** and start the recovering.

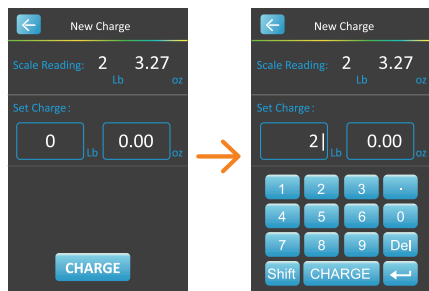
Charge/Recover - Operation


Charging Operation

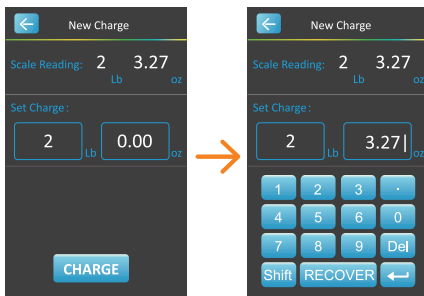
- Touch **Charge** in the measurement main interface and enter the charging settings interface.




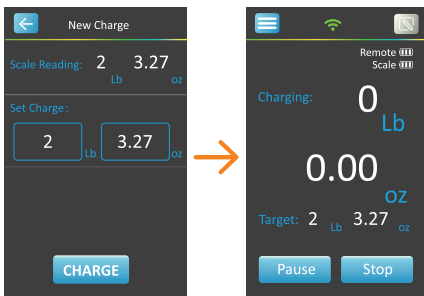
- Input the charging amount (Lb): touch the Lb to enter the target charging amount of the refrigerant. Touch **←** to complete the setting.



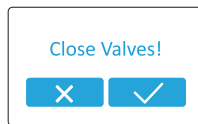
3. Input the charging amount (oz): touch the oz to enter the target charging amount of the refrigerant.
Touch  to complete the setting.





4. After inputting the charging amount, touch  to start the process.



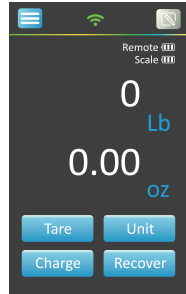
5. When the value displayed reaches 95% of the target amount, the CLOSE VALVE window will pop out on the controller, and the user must be ready to close the refrigerant tank valve.



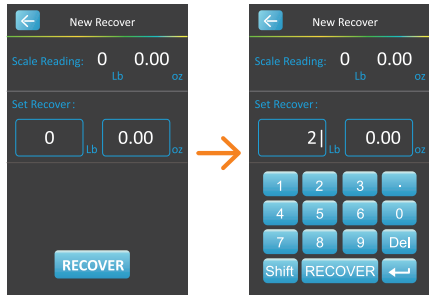
6. When the value displayed is over the target amount, the alarm will go off, and the user must be ready to close the refrigerant tank valve.
7. When the charging process is done, touch  to return to the measurement page and to stop the alarm (or short press the power button on the scale to stop the alarm); touch  to close the Close Valves warning window.

Recovery operation

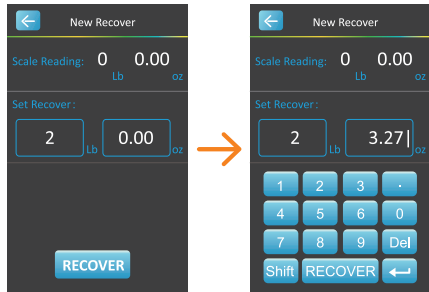
1. Touch **Recover** in the measurement main interface and enter the recover settings interface.



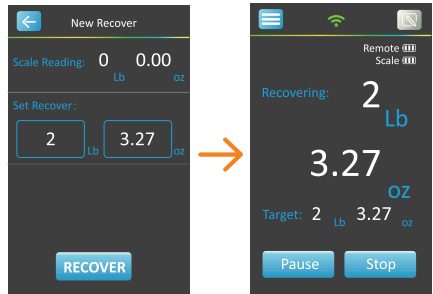
2. Input the recovery amount (Lb): touch the Lb to enter the target recovery amount of the refrigerant.
Touch **←** to complete the setting.



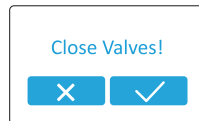
3. Input the recovery amount (oz): touch the oz to enter the target recovery amount of the refrigerant.
Touch **←** to complete the setting.



4. After the setting of recovery amount, touch **RECOVER** and start the recovering.



5. When the value displayed reaches 5% of the target amount, the CLOSE VALVE window will pop out on the controller, and the user must be ready to close the refrigerant tank valve.



6. When the weight displayed decreases to 0Kg 0g, the scale alarm will go off, and the user must be ready to close the refrigerant tank valve.
7. When the recovery process is done, touch **✓** to return to the measurement page and to stop the alarm (or short press the power button on the scale to stop the alarm); touch **✗** to close the Close Valves warning window.

Charging



1. Type-C charging port of the scale: Use Type-C charging line to connect the Type-C charging port of the scale . The scale is in the charging mode. The red light on the charging indicator will be constantly on. After it is fully charged, the green light on the charging indicator will be on. (If the handle controller is placed in the handle placement bin on the right side of the scale, the handle controller is in the charging mode as well.)
2. Type-C charging port of the handle: Use Type-C charging line to connect the Type-C charging port of the handle controller. The handle controller is in the charging mode and at the same time the controller displays the charging progress.

Emergency Plan: The scale can be used as a power source to charge the handle controller.

Put the handle controller into the placement bin on the right side of the scale. When the scale is on, it is used as the power source to supply electricity to the handle controller.

Note: Charging the handle controller will not be processed when the power of scale device is low.


Overweight detection

If the weight is higher than the maximum weight (100kg), the handle will display **FULL** , and the alarm will beep for a long time.

To protect the scale and sensor from damage, avoid loading the weight more than 100kg onto the scale.

Battery level indicator

The power bars are shown in segments and followed by a reduction in the battery level.

Please charge the device before the power is shown as low, so as  to avoid affecting the normal use of the device.

Characteristics of products

1. The scale is made of magnesium aluminum alloy, which is light and easy to carry.
2. The device adopts 4-inch touch screen, which is clear and easy to operate.
3. The handle controller adopts the hidden-style design, which is convenient to store and use.
4. The device supports multiples measurement units.
5. The scale supports the reverse charging, which can be used to charge the handle controller.
6. Ultra-long wireless transmission distance of 30 meters.
7. Automatic shutdown, the weight value on the scale body does not change, then automatic shutdown after 10 minutes; in the Bluetooth unconnected mode, it will automatically shutdown after 2 minutes.

Product packing list

U1 Refrigerant Scale*1

U1 Handle Controller*1

Operation Instructions*1

Power Adapter*1

Type-C power supply charging line*1

Blow molding packing box*1