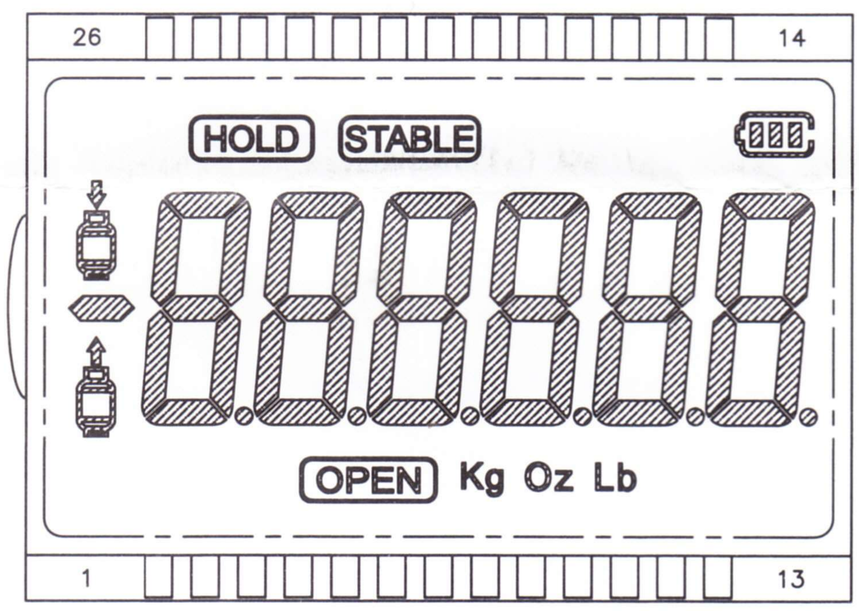
Introduction

Thank you for choosing the brand-new refrigerant scale. To use the scale correctly, please read over the manual first, especially the "safety notice".It is suggested to keep the manual properly with the scale or in a place where you can refer to it conveniently.

Parameters

Max weighing: 100Kg (220Lb)	Operating temperature: -10℃ ~ 40℃
Resolution: 5g	Storage temperature: -15℃ ~ 50℃
Accuracy: ±0.05% rdg+10g	Temperature fluctuation range: 5℃/h
Power supply: 5 AAA batteries	Relative humidity: 50-85%
Battery life: 35 hours	Product size: 271*271*74mm



STABLE : Stable weight indicator

: Power indicator

: Charge icon

: Recovery icon

HOLD : Current weight is locked

OPEN : Solenoid valve is open.

: Switch to pressure display status.

"POWER": press to turn on the scale; press and hold for 3s to turn it off.

"ZERO": Press to zero current reading on display.

"UNIT": Press to switch between "Kg", "Oz" and "Lb".

"LAMP": Press to turn on the blue backlight and it will last for 10s. Press and hold for 3s to keep the backlight on all the time, buzzer will beep once as indication. Press it again to turn off the backlight.

"CHARGE": Press to set charge value.

"RECOVERY": Press to set recovery value.

"SHIFT": Press to switch between weighing status and pressure detection status (reserved).

"RUN/STOP": Press to stop or start solenoid valve instantly.

"REPEAT": Press to repeat the last entered operation of charge or recovery.

" ↵ ": Enter button. After setting charge (recovery) value, press this button to enter charge (recovery) status. If the data is set wrong, press and hold the button for 3s to exit settings. Please set it again. During charge (recovery), press this button to exit charge (recovery) status and return to normal weighing status.

Quick start

1. Install 5 AAA batteries in the hand-held device.
2. Place the platform on a firm and level surface.
3. Press the "POWER" button on the hand-held device.
4. Press "UNIT" to select proper unit.
5. Press "ZERO" to tare the scale.
6. Place the object to be weighed until STABLE appears stable. Read the weight on the LCD.
7. Charge: press CHARGE to set charge value, and then press ↵ to start charging.
8. Recovery: Press RECOVERY to set recovery value, and then press ↵ to start recovery.
9. Press "RUN/STOP": solenoid valve is instant on (OPEN icon is always on) or off (OPEN icon is always off).
10. Press "HOLD" to lock the current weight value.

Functions

Weighing operation:

The scale is designed for total weight up to 100Kg.

1. Take out the scale from the package and place the platform on firm and level surface.
2. Draw out the spiral line of the hand-held device from the side of the scale.
3. Press the "POWER" button on the hand-held device. The buzzer beeps once indicating self-test is finished.
4. Press "UNIT" to switch between "Kg", "Oz" and "Lb".
5. Press "ZERO" to tare the scale.
6. Place the refrigerant tank in the center of the scale platform; zero it again to display the weight of refrigerant.
7. Press "HOLD" to "freeze" current display. The displayed weight value will not change with the change of weight on the platform.

Charge or recover:

1. Press CHARGE (RECOVER) to set charge (recovery) value, the screen will display "-" on the right, and charge icon (recovery icon) will flash.
2. Input the value to be set, confirm the value and press " ↵ " to start charging. If the value is set wrong, press and hold " ↵ "to exit the current status. Repeat the operation above to set charge (recovery) value.

3. In charge (recovery) status, charge icon (recovery icon) is always on. When solenoid valve is opened, OPEN is always on.
4. Charge status: The initial display is 0.000. When the detected weight drops, the screen displays the charged weight. The value increases slowly until it reaches the set-point; solenoid valve switches off automatically; OPEN turns off; buzzer alarms. Press any button to exit alarm at this moment.
When the detected weight rises, the screen will display "-" on the left. When the value is less than -0.2kg, error occurs in the charge process. Solenoid valve switches off automatically; OPEN turns off; charge status ends and the scale enters normal weighing status.
Recovery status: The initial display is recovery set-point. When the detected weight rises, the screen displays the remaining recovery volume. The value decreases slowly until it becomes 0.000(maximum permissible errors). Solenoid valve switches off automatically; turns off; buzzer alarms. Press any button to exit alarm at this moment.
When the detected weight drops, the value on the screen will increase. When the value is -0.2kg more than the recovery set-point, error occurs in the recovery process. Solenoid valve switches off automatically; OPEN turns off; recovery status ends and the scale enters normal weighing status.
5. When one charge (recovery) operation is finished, press REPEAT to directly carry out the last operation, saving your time to set the same value.
6. Press "RUN/STOP" to instantly turn solenoid valve on or off.

Over range indication:

If the weight applied to the weighing platform exceeds the maximum weight (100kg), characters "FULL" will appear on the screen, buzzer will beep constantly and red LED will flash to indicate alarm.
To prevent damage to the scale and sensor, please do not place objects over 100Kg on the platform.

Battery level indicator:

The battery power is indicated in segments, which reduce with power consumption until the frame of flashes. Later on, the LCD will display unstably.
Please change batteries before the LCD displays unstably in case error message affects the normal use of the scale.

Other functions:

1. Power-on self-test: it lasts less than 2s.
2. Tare in full weighing rang (100Kg)
3. The LCD displays numbers from high digit to low digit. The digit that exceeds the digit range will not be displayed.
4. Auto off: If the weight on the platform does not change for 10 minutes, the scale turns off automatically.

Safety notice

1. Please use the scale in specified environment to avoid error or damage of the sensor.
2. Please do not use chemical solvent or corrosive liquid to clean the scale.
3. Please do not disassemble the scale body and inner device; otherwise, it may cause great weighing error.
4. Please do not pull the spiral line hard in case measuring error is enlarged or the sensor damaged.
Note: Remove the batteries if the scale is not to be used for a long time in case the leakage corrodes the scale. The batteries included are not rechargeable. Please do not charge them.

Packing list

LMC-300 refrigerant scale	1 piece
Charge valve	1 piece
Nylon case	1 piece
AAA alkaline battery	5 pieces
User manual	1 piece