



LMC-300L Refrigerant Charging Scale

User Manual

Thank you for choosing the Elitech electronic refrigerant scale. Please read this manual thoroughly before use, especially the “Warning” section. Keep the manual with the scale for further consultation.



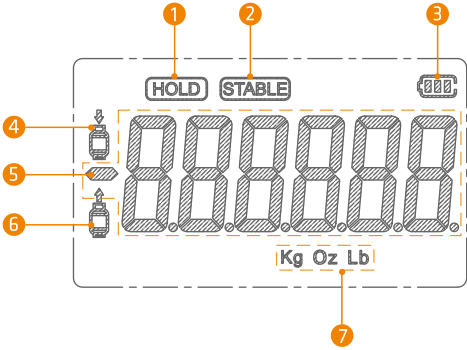
Warning

- ⚠ Please use the scale in specified environment to avoid error or damage to the sensor.
- ⚠ Please do not use chemical solvent or corrosive liquid to clean the platform.
- ⚠ Please do not disassemble the platform to avoid big weighing error.
- ⚠ Please do not pull the coiled cable hard to avoid increasing measurement errors or even damage to the sensor.
- ⚠ Remove the batteries if the scale is not to be used for a long time in case the leakage corrodes it.
- ⚠ The batteries included are not rechargeable. Please do not charge them.

SPECIFICATIONS

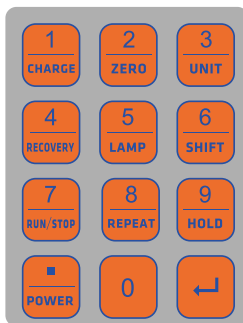
Maximum capacity:	100kg (220lb)
Resolution:	5g
Accuracy:	±0.05% rdg+10g
Battery:	5 AAA batteries
Battery life:	35 hours
Operating temperature:	-10°C~40°C
Storage temperature:	-15°C~50°C
Temperature fluctuation range:	5°C/h
Relative humidity:	50~85%
Dimensions:	271 x 271 x 74 mm
Minimum Charging/ Recovery setting:	45g

Display



① Current Weight Locked	⑤ Weight
② Stable Status	⑥ Charging Status
③ Battery Level	⑦ Current Unit
④ Recovery Status	

Buttons



	When charging or recovery is not in progress, press this button to turn on the scale; hold it for 3 seconds to turn off the scale.
	Press to zero the reading.
	Press to switch between kg, oz and lb.
	Press to turn on the blue backlight. It will be automatically off after 10 seconds. Hold the button for 3 seconds until the buzzer beeps, the backlight will be always on; press this button again to turn it off. (Except backlight alarm while charging/recovery)
	Press to set charging value.
	Press to set recovery value.
	Press to repeat the last charging or recovery command.
	Press to lock current weight.
	After setting the charging/recovery value, press this button to enter charging/recovery status. If the value is incorrect, press and hold the button for 3 seconds to exit settings. During charging/recovery process, press and hold the button for 3 seconds to stop the process and enter weighing status.
	Reserved
	Reserved

Quick Start

1. Install 5 AAA alkaline batteries into the hand-held remote.
2. Place the platform on hard and flat floor.
3. Press  button on the remote to turn it on.
4. Press  button to select a desired unit.
5. Press  button to zero the reading.
6. Place the object on the platform, read the weight when the icon **STABLE** is displayed stably.
7. Charge: Press  button and set the charging value, then press  button to confirm, the charging process starts.
8. Recover: Press  button and set the recovery value, then press  button to confirm, the recovery process starts.
9. Press  button to lock the current weight (icon **HOLD** off).

Function & Operation

Weighing

1. Take out the refrigerant scale from the carrying case and place the platform on hard and flat floor.
2. Take out the remote from the back of the scale.
3. Press  button on the remote to turn it on. Wait until the self-test finishes and buzzer beeps.
4. Press  button to switch units between kg, oz and lb.
5. Press  button to zero the reading.
6. Place the refrigerant cylinder in the center of the platform and zero it again; then the screen will only display the weight of the refrigerant.
7. Press  button to lock the current weight, which will remain unchanged.

Charging / Recovery

1. Charge: Press  button to enter the charging interface, set the charging valve by using the number buttons; then press  button to confirm and the charging valve will open (LCD display 0.000). When charging, buzzer and backlight will warning based on charging process. According to the speed of charging, the warning value automatically changes.

10 seconds before charging process end: Buzzer beeps slow, backlight flashing slow.

5 seconds before charging process end: Buzzer beeps fast, backlight flashing fast.

Charging process end: When it reaches the set charging valve, buzzer beeps and backlight continuously flashing, process back to normal weighting status. Meanwhile, user must close the tank valve by hand, charging process end. Press any button to exit alarm at this moment.

If the value is set incorrectly, press and hold  button to exit current status and repeat the operation above. When the platform detects weight increasing, a "-" sign will show on the left of the remote screen. If the weight less than -0.4kg, then the charging valve will close automatically.

2. Recover: Press  button to enter the recovery interface, set the required recovery value by using the number buttons; then press  button to confirm (LCD display set recovery value) and the recovery process begin. When recovering, buzzer and backlight will warning based on recovering process. According to the speed of recovery, the warning value automatically changes.

10 seconds before recovery process end: Buzzer beeps slow, backlight flashing slow.

5 seconds before recovery process end: Buzzer beeps fast, backlight flashing fast.

Recovering process end: When LCD display 0.000, buzzer beeps and backlight continuously flashing, process back to normal weighting status. Meanwhile, user must close the tank valve by hand, recovering process end. Press any button to exit alarm at this moment.

If the value is set incorrectly, press and hold  button to exit current status and repeat the operation above. When the platform detects weight decreasing, the value displayed on the remote screen will increasing; If the weight is 0.4kg greater than the set recovery value, it means an error occurs during recovery, then the charging valve will close automatically,  icon will be off and the recovery process ends. The scale enters the normal weighing status.

3. After completing a charging/recovery process, simply press  button to repeat the last charging /recovery operation without re-setting the value again.

Note: The operation above is based on measurement unit kg.

Overload Detection

If the weight of refrigerant tank exceeds the scale's maximum capacity (100kg), the LCD will display **FULL** , the buzzer will beep and the red status indicator will flash to indicate the alarm.

Battery Indication

When the battery voltage is extremely low, the battery indicator icon  will blink and the LCD may display unstably. Please replace the batteries in time so that you can use the scale normally.

Other Functions

Self-test within 2 seconds after power-on.

Tare function applies to full weighing range.

Auto OFF: The scale will be automatically off if the weight remains unchanged for 10 minutes.

What's Included

LMC-300L Refrigerant Scale	x 1
Nylon Carrying Case	x 1
AAA Alkaline Battery	x 5
User Manual	x 1



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V1.0