JC-8.871.1126

Elitech® Elite of technology

SRC-510 Wireless Electronic 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.

Specifications

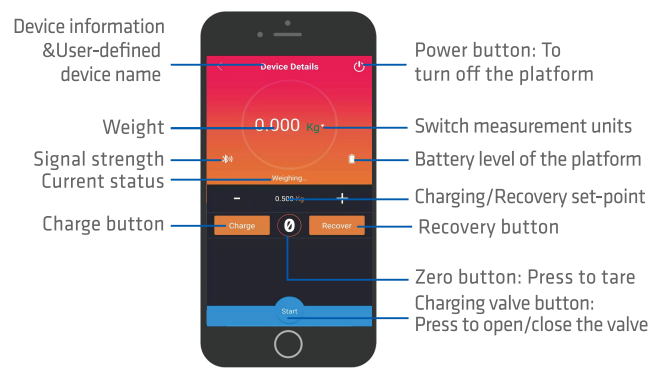
Maximum capacity	100kg (220lb)
Resolution	5g
Accuracy	±0.05% rdg+10g
Battery	Hand-held remote: 5 x AAA batteries Platform: 5 x AA batteries
Battery life	Hand-held remote: 50 hours Platform: 60 hours
Operating temperature	-10°C~40°C
Storage temperature	-15°C~50°C
Temperature fluctuation range	5°C/h
Relative humidity	50-85%RH
Wireless transmission distance	Hand-held remote: 5m App: 10m
Dimensions	271 x 271 x 74 mm
Mobile app	Android 4.4 or higher; iOS 7.0 or higher.

Mobile App Operation

Main Interface

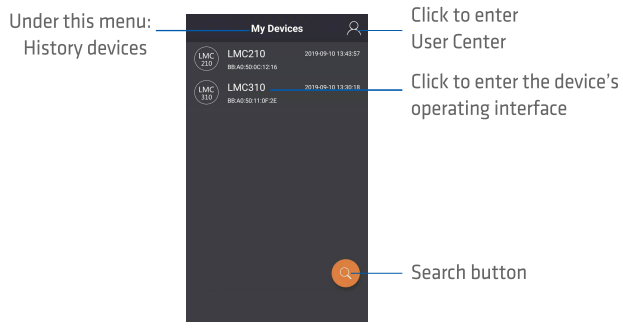
Charging/recovery process: Charge/Recover: Click Charge / Recover button to set the charging/recovery weight. The scale enters charging/recovering status and Charge / Recover button turns to STOP. Click Stop button, the scale returns to weighing status and the charging valve is closed.

Start/Stop: click it to start or stop charging valve instantly. (When the platform is in low battery, the charging valve is disabled to open. Please replace the batteries).

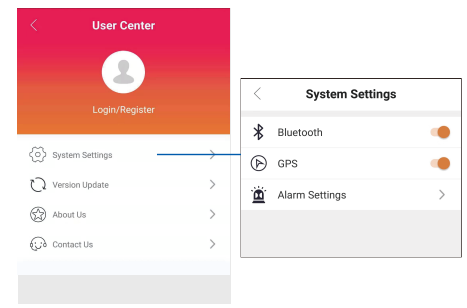


My Devices Interface

1. Display the history of devices that have been connected. To connect a new device, please click button and the available devices will be listed.
2. Click to view user information and other settings.



User Center Interface



边缘线不印刷

技术要求：
1.尺寸：273*190mm；公差：±1mm
2.材质：105g哑粉纸
3.印刷要求：彩色反正面印刷，不可有脏污、褶皱、字迹不清晰等现象

旧图纸总号															
											标记	数量	更改单号	签名	日期

底图总号	拟　制		SRC-510 冷媒秤说明书 （外贸常规）ROHS	25050207141
	审　核			JC-8.871.1126
日期 签名				阶段 标记 / 第 1 张 / 共 3 张
	标准化			S / A
	批　准			

媒体编号

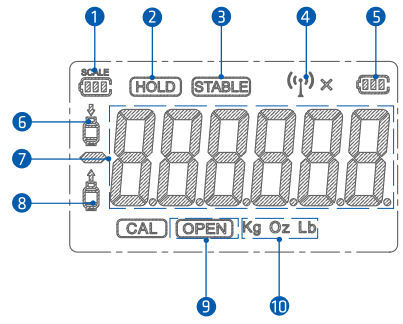
格式（3）　制图：　描图：　幅面：

JC-8.871.1126

Elitech® Elite of technology

SRC-510 Wireless Electronic Refrigerant Charging Scale User Manual

Display



① Battery Level – Platform	⑥ Recovery Status
② Current Weight Locked	⑦ Weight
③ Stable Status	⑧ Charging Status
④ Communication Status	⑨ Charging Valve Open
⑤ Battery Level – Remote	⑩ Current Unit

Buttons

POWER	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.
2 ZERO	Press to zero the reading.
3 UNIT	Press to switch between kg, oz and lb.
5 LAMP	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 once, the backlight will be always on; press this button again to turn it off.
1 CHARGE	Press to set charging value.
4 RECOVERY	Press to set recovery value.
7 RUN/STOP	Press to immediately close or open the charging valve.
8 REPEAT	Press to repeat the last charging or recovery command.
9 HOLD	Press to lock current weight.
↵	Press to confirm settings. 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 this button to stop the process and return to weighing status.
⏻	When the platform is off, press this button to turn it on; When the platform is on, hold this button to turn it off. When an alert is triggered after charging / recovery, press this button to mute the buzzer.
(( ))	Press this button when the platform is communicating with the remote, the wireless module will enter sleep status and wireless LED will turn red and flash slowly, indicating the communication disconnects. Press this button again, the wireless module enters working status.

Quick Start

1. Install 5 AAA alkaline batteries into the remote. Install 5 AA alkaline batteries into the platform.
2. Place the platform on hard and flat floor.
3. Press ⏻ button to turn on the platform. The power LED flashes once in red, the wireless LED turns red and flashes quickly, indicating the platform is being searched.
4. Press POWER button on the remote, it will automatically search available devices. When the wireless LED turns green and flashes, the platform and the remote has communicated.
5. Press 3 UNIT button to select your desired unit.
6. Press 2 ZERO button to tare.
7. Put your refrigerant cylinder or other objects on the platform, and read the weight when the icon STABLE is displayed stably.
8. Charge: Press 1 CHARGE button and set the charging value, then press ↵ button to confirm, the charging process starts.
9. Recover: Press 4 RECOVERY button and set the recovery value, then press ↵ button to confirm, the recovery process starts.
10. Press 7 RUN/STOP button to open the charging valve (icon OPEN always on) or close it (icon OPEN off).
11. Press 9 HOLD button to lock the current weight.

Function & Operation

Weighing:

1. Take out the refrigerant scale and place the platform on solid and level ground.
2. Press POWER button on the remote to turn it on.
3. Press 3 UNIT button to select your desired unit among kg, oz and lb.
4. Press 2 ZERO button to zero the reading.
5. Place the refrigerant tank in the center of the platform and zero it again to display the weight of the refrigerant. Press 9 HOLD button to lock the current weight, which remains unchanged even the object applied changes.

Charging / Recovery

1. Connect the aviation plug on the platform to the female connector on the charging valve in correct direction.
2. Connect the refrigerant hose in the arrow direction on the charging valve housing.
3. Charge: Press 1 CHARGE button to enter the charging interface, set the charging value by pressing number buttons, then press ↵ button to confirm, the charging valve will open. It will automatically close with a beep alert when the set charging value is reached. Press the power button on the platform to cancel the alert.

If the value is set incorrectly, press and hold ↵ button to exit current status and repeat the operation above.

When the platform detects the weight increasing, the sign "-" will appear on the left of the remote's screen. If the weight is less than -0.2kg, indicating an error occurs in the charging process, the charging valve will automatically close and icon will be off. Charging process ends and the scale enters weighing status.

边缘线
不印刷

媒体编号

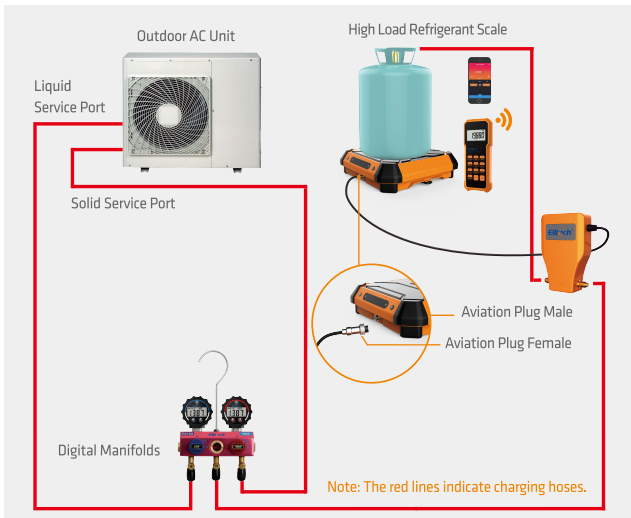
技术要求：
1.尺寸：273*190mm；公差：±1mm
2.材质：105g哑粉纸
3.印刷要求：彩色反正面印刷，不可有脏污、褶皱、字迹不清晰等现象

旧图纸总号															
											标记	数量	更改单号	签名	日期
底图总号	拟 制		SRC-510 冷媒秤说明书（外贸常规）ROHS			25050207141									
	审 核					JC-8.871.1126									
日期	签名					阶段	标记	第 2 张		共 3 张					
		标准化				S	A								
		批 准													
格式（3）	制图：		描图：			幅面：									

JC-8.871.1126

Elitech® Elite of technology

SRC-510 Wireless Electronic Refrigerant Charging Scale User Manual

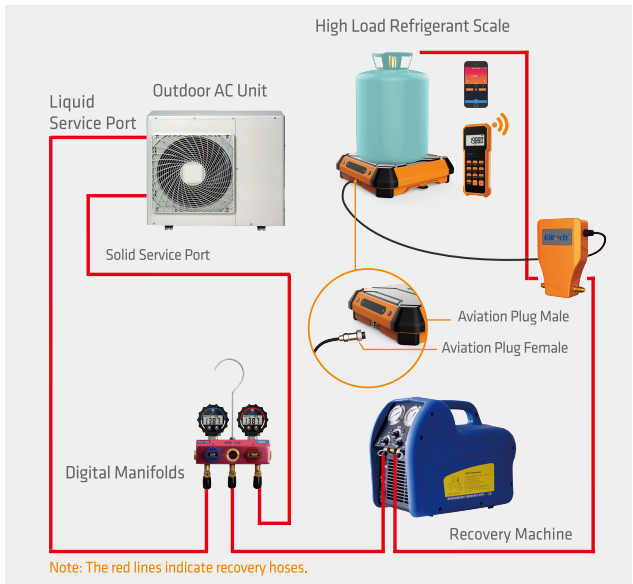


Refrigerant Charging Schematic Diagram

4. Recover: Press 4 RECOVER button to enter the recovery interface, set the recovery value needed by pressing number buttons, then press ↵ button to confirm, the charging valve will open. It will automatically close with a beep alert when the set recovery value is reached. Press the power button on the platform to cancel the alert.

If the value is set incorrectly, press and hold ↵ button to exit current status and repeat the operation above.

When the platform detects the weight decreasing, the value displayed the remote's screen will increase. If the weight is 0.2kg greater than the set recovery value, indicating an error occurs in the recovery process, the charging valve will automatically close and icon will be off. Recovery process ends and the scale enters weighing status.



Refrigerant Recovery Schematic Diagram

5. After a charging/recovery process, press 8 REPEAT button to simply repeat such charging/recovery operation without setting the value again.
6. Press 7 ON/STOP button to immediately open or close the charging valve.

Note: The display above is taken kg as measurement unit.

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 indicate the alarm.

Note: Do not load an object that weighs more than 100kg onto the platform to avoid damages to the platform and sensor.

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

1. Self-test within 2 seconds after power-on.
2. Tare function applies to full weighing range.
3. Auto OFF: The scale will be automatically off if the weight remains unchanged for 10 minutes.
4. When the remote does not communicate with the platform for 2 seconds, the scale will be automatically off.
5. When the platform battery is too low, the charging vale is enabled to open. Please change the batteries in time.

⚠ 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.
- 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.

What's Included

SRC-510 Refrigerant Scale x 1
Charging Valve x 1
Nylon Carrying Case x 1
AAA Alkaline Battery x 5
AA Alkaline Battery x 5
User Manual x 1

Android 4.4 or higher

iOS 7.0 or higher

Elitech Technology, Inc.
1551 McCarthy Blvd, Suite 112,
Milpitas, CA 95035 USA

Elitech (UK) Limited
Unit 13 Greenwich Centre Business Park
53 Norman Road, London, SE10 9QF

Elitech Brasil Ltda
R. Dona Rosalina, 90 - Igara, Canoas - RS,
92410-695, Brazil

V1.0

边缘线
不印刷

媒体编号

技术要求：
1.尺寸：273*190mm；公差：±1mm
2.材质：105g哑粉纸
3.印刷要求：彩色反正面印刷，不可有脏污、褶皱、字迹不清晰等现象

旧图纸总号															
											标记	数量	更改单号	签名	日期

底图总号		拟　制		SRC-510 冷媒秤说明书 （外贸常规）ROHS	25050207141			
		审　核			JC-8.871.1126			
日期	签名				阶段	标记	第 3 张	共 3 张
		标准化			S	A		
		批　准						
格式（3）		制图：		描图：	幅面：			