

橙色：M65 Y100
 蓝色：C100 M65
 黑色：K100

Wireless Refrigerant Electronic Scale ERS-210 User Manual



Innovation Preceding All

Preface

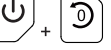
Dear User,Thank you for purchasing our Wireless Refrigerant Electronic Scale. To use this product correctly, please read the entire manual carefully before use.

Product Introduction

The ERS-210 Wireless Refrigerant Electronic Scale is specially designed for the Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) industry. With stable and reliable performance, it accurately supports refrigerant charging and recovery operations. It is an ideal choice for industry professionals and an ideal equipment for refined refrigerant management in the industry.



Button Introduction

Scale Body		Short press: Power on
		Long press for 3s: Power off
	Wireless Pairing Switch	Long press for 3s: Enter scale pairing mode <i>Note: The device is paired at the factory; do not pair repeatedly. If re-pairing is necessary, it must be operated under the guidance of professionals.</i>
Handle		Short press: Power on
		Short press (power-on state): Switch unit
		Long press for 3s: Power off
		Short press: Zero clearing operation
		Long press for 3s: Turn off backlight
		Long press for 3s: Enter handle pairing mode <i>Note: The device is paired at the factory; do not pair repeatedly. If re-pairing is necessary, it must be operated under the guidance of professionals.</i>

Indicator Introduction

Indicator Status	Description	Note
Red light flashes(once per second)	Wireless connecting status	/
Red light flashes(once every 3 seconds)	Unpaired status	/
Green light flashes(once per second)	Wireless connected status	/
Yellow light stays on	Wireless module abnormality	<i>If the product is abnormal,it needs to be returned to the factory for repair</i>
Alternately	Calibration status	<i>If the product is abnormal, it needs to be returned to the factory for repair.</i>

Technical Parameters

- Maximum weighing range: 100kg
- Resolution: 5g
- Accuracy: ±(0.05% rdg + 10g)
- Units: kg g; lb oz;kg;lb;oz
- Operating temperature: -10℃ ~ 40℃
- Storage temperature: -15℃ ~ 50℃
- Product dimensions: 239*292*59mm

- Wireless distance: 20m
- APP support: No
- Power supply: Handle: 3*AAA batteries; Scale: 3 *AA batteries
- Battery life: Handle: 100h; Scale: 100h
- Temperature fluctuation range: 5℃ /h
- Relative humidity: 50% ~ 85%
- FCC ID: Handle: 2ATVW-ERS-210HANDLE; Scale: 2ATVW-ERS-210SCALE

技术要求：

1. 尺寸：190*273 mm ； 公差：±1 mm

2. 材质：128g哑粉纸

2. 印刷要求：彩色印刷，不可有脏污、褶皱、字迹不清晰的现象

媒体编号

旧图纸总号

底图总号

拟 制
 审 核

日期

签名

标准化
 批 准

制图：

描图：

幅面：

标记 数量 更改单号 签名 日期

阶段 标记 第 1 张 共 2 张



格式（3）

橙色：M65 Y100
 蓝色：C100 M65
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Display Introduction

Quick Operation

1. Install 3 AAA batteries into the handle (pre-installed in new products).
2. Install 3 AA batteries into the scale (pre-installed in new products).
3. Place the scale on a hard and flat platform.
4. Press the power buttons of the handle and the scale respectively.
5. After the scale and handle are powered on, they establish a wireless connection automatically. The wireless icon displays stably, indicating that the handle and scale have established a wireless connection.
- Note: Red light of the scale power indicator flashes: wireless connection not established. Wireless icon flashes: wireless connection not established.*
6. Short press the handle power button to select the appropriate unit (kg, oz, lb are supported).
7. Place the object to be weighed on the weighing platform. After the weight stable icon displays stably, read the value in the display area directly.

Wireless Pairing Operation

1. Use a sharp and thin tool (not standard, optional) to long press the wireless pairing switch (see product introduction for position) for 3s. The red light of the scale power indicator flashes with a buzzer alarm.
2. Long press the handle buttons + and together for 3s. The handle enters pairing mode and displays .
3. The handle and scale pair automatically. After pairing is completed, it enters the normal weighing state.

Note: The device is paired at the factory; do not pair repeatedly.

Other Function Operations

1. Overload detection: If the weighing weight exceeds the maximum range (100kg), the character "FULL" will be displayed on the LCD display area, and the buzzer will sound continuously.
2. Power detection: The battery power is displayed in segments. When the power decreases, the battery grid decreases until the icon frame flashes. After that, the LCD display may become unstable. Please replace the battery before the display becomes unstable to avoid incorrect information affecting the normal use of the product.
3. Power-on self-test: Self-test time is less than 2s.
4. Tare operation: Full range (100kg) tare function.
5. Weight display description: The displayed number is from the highest bit to the lowest bit, and the excess part is not displayed.
6. Auto power-off: If the weight on the scale does not change, it will power off automatically after 10 minutes.

Safety Precautions

1. To protect the scale and sensor from damage, do not load objects over 100kg on the product.
2. Please use the instrument in the specified environment to avoid errors or even damage to the sensor.
3. Do not wipe the scale with chemical solvents or corrosive liquids.
4. Do not disassemble the scale structure and internal devices, otherwise the weighing error will increase.

Note: If the product is not used for a long time, take out the batteries to avoid battery leakage and corrosion of the product. The random batteries are non-rechargeable, do not charge them.

Product Packaging List

- ERS-210 Wireless Refrigerant Scale ×1
- Wireless Handle Controller ×1
- AAA Batteries ×3 (pre-installed in the product)
- AA Batteries ×3 (pre-installed in the product)
- User Manual ×1
- Tool Kit ×1

More Details

Scan the QR code for instructions in your language.

Scannen Sie den QR-Code für Anleitungen in Ihrer Sprache.

Scannez le code QR pour les instructions dans votre langue.

Scansiona il codice QR per le istruzioni nella tua lingua.

Escanea el código QR para obtener instrucciones en tu idioma.

QR コードをスキャンして、お好きな言語の説明書をご覧ください。

更多产品详细说明请扫描二维码获取。

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

V1.0

- 技术要求：

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旧图纸总号																
											标记	数量	更改单号	签名	日期	
底图总号	拟	制	ERS-210 外贸说明书 V1.0 20260811								30610002134					
	审	核														
日期	签名															
		标准化														
		批 准														
格式（3）	制图：		描图：								幅面：					