seitron
Innovation Technology

USE AND MAINTENANCE

BE COOL B100

Wireless refrigerant scale

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1.0 IMPORTANT INFORMATION

1.1 About this manual

◊ This manual describes the operation, features, and maintenance of the refrigerant gas scale BE COOL B100.

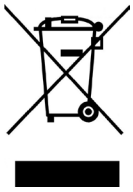
◊ Read this operation and maintenance manual before using the instrument. The operator must be familiar with the manual and follow its directions carefully.

◊ This operation and maintenance manual is subject to change as a result of technical improvements - *the manufacturer assumes no responsibility for any content or printing errors.*

Respect your environment, think before you print the full manual.

1.2 Safety warnings

WARNING!
Read the information carefully and set up appropriate measures to ensure safety so as to avoid any danger to people and property.
Failure to follow these directions may cause danger to people, to the system or to the environment and may result in loss of liability



WARNING! Ensure proper disposal

Dispose of batteries properly at the end of their life only through the appropriate containers. This device should not be disposed of as municipal waste. Follow the requirements of current national legislation.

2.0 SAFETY

2.1 Security verification

- Use the product within the scope described in the chapter “Permitted Use of the Product.”
- When using the instrument, follow current safety regulations.
- Do not use the instrument if damaged on the case.
- Keep the instrument away from solvents.
- Strictly follow what is described in this manual under “Maintenance” when maintaining the instrument.
- All work not specified in this manual may only be performed by Seitron service centers. On the contrary, Seitron disclaims any responsibility for the normal operation of the instrument and the validity of the relevant approvals.
- Wear safety glasses and suitable gloves when using the product.
- Read the maintenance instructions for the refrigeration system carefully before using this tool.

2.2 Permitted Use of the Product

This chapter describes the application areas for which the BE COOL B100 scale is intended to be used.
All the devices off the BE COOL series are portable measurement instruments intended for use in the installation and/or maintenance of refrigeration systems and heat pumps. **THIS INSTRUMENT IS NOT SUITABLE FOR USE BY INEXPERIENCED CONSUMERS, SO IT IS FOR QUALIFIED TECHNICIANS ONLY.**

2.3 Unauthorized use of the product

Use of the scale in application areas other than those mentioned in Section 2.2 “Permitted use of the product” is at the operator’s own risk, and the manufacturer assumes no responsibility for any loss, damage, or costs that may result.
It is your obligation to read and pay attention to the instructions in this operation and maintenance manual.

This instrument should not be used as:

- As safety device in safety compelling areas.
- Atex classified areas.
- Refrigeration systems that contains ammonia.
- Do not use the product if damaged. Do not try to repair it in order not to cause other damages. If the instrument is damaged inform directly the customer care service of Seitron S.p.A. (customer.care@seitron.it).
- Strictly follow the instruction provided with refrigeration system where you are operating.
- Only use the type of batteries specified on the chapter “technical features”.
- Do not disassemble the scale structure to avoid measurement errors.
- Do not use chemical solvents to clean the scale to avoid damage to the rubber base.
- If the instrument is not used for a long time, remove the batteries from both the scale and the remote control.
- The batteries provided are NOT rechargeable; do not try to recharge them.

3.0 GENERAL FEATURES

3.1 Package is featured with

Package contents consist of:

- Seitron BE COOL B100 refrigerant gas scale.
- Remote control for scale remote control (it is in the back of the product, in the special compartment).
- Shoulder strap in order for the scale to be easily transported.
- 5 AA-type batteries for powering the scale.
- 5 AAA-type batteries for powering the remote control.
- Quick Start Guide.
- WEEE instructions.
- Simplified Declaration of Conformity.

3.2 Typical Use

Refrigerant gas storage cylinder weight measurement.

Servicing:
The instrument must undergo an annual calibration procedure to be performed at a Seitron service center.

Testing certificate:
The instrument is accompanied with the testing certificate.

4.0 BATTERY INSERTION / REPLACEMENT

4.1 Remote control

Power supply with 5 1.5V size AAA batteries.
Access the battery compartment by unscrewing the screw indicated by the arrow and insert the batteries respecting the polarities.

Fig. 1

4.2 Scale

Power supply with 5 1.5V size AA batteries.
Access the battery compartment by unscrewing the screw indicated by the arrow and insert the batteries respecting the polarities.

Fig. 2

5.0 PRODUCT DESCRIPTION

5.1 Typical use example diagram

The following diagram shows the typical use of the scale for weighing exhaust refrigerant gas from the cooling system under consideration:

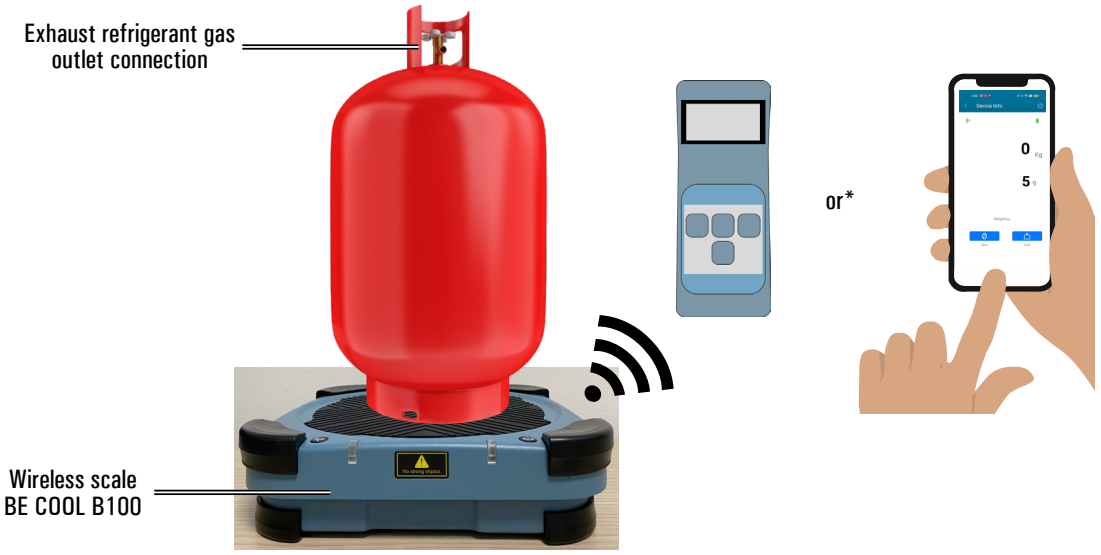


Fig. 3

*** : The use of the smartphone app or remote control are mutually exclusive (they can be used alternatively to each other, but never simultaneously).**

5.2 Scale keys

The scale has two physical buttons located on the front of the scale:

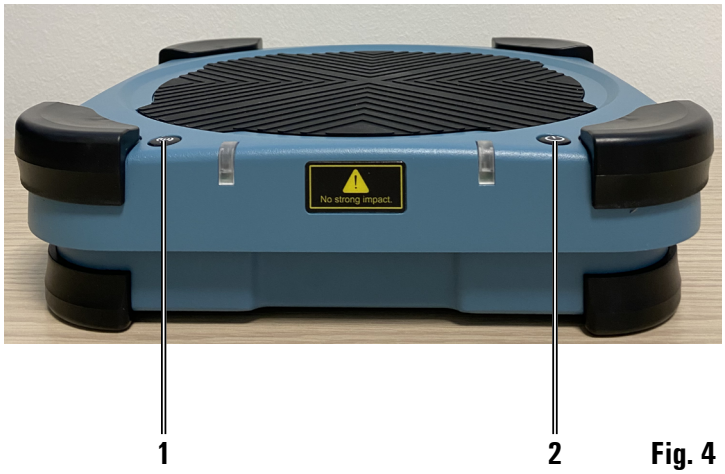


Fig. 4

1	Turn On / Off - key “⏻”
2	Search for wireless devices (remote control or app) - key “📡”

5.3 Remote control functions

The remote control keyboard has the following physical keys:

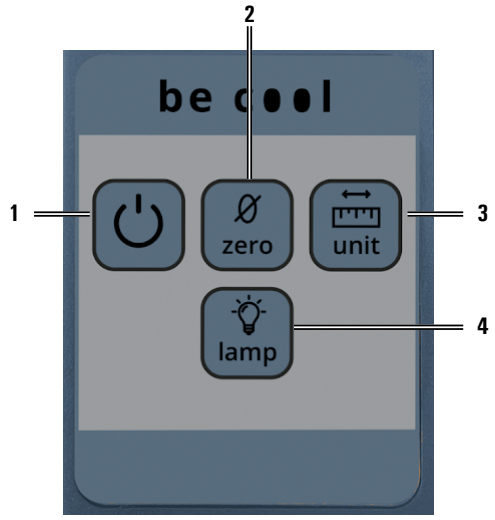


Fig. 5

1	Turn On / Off
2	Tare, read the base zero value
3	Change the measurement unit
4	Remote control screen backlight

5.4 Remote control interface

The following screen shows all the symbols that can be displayed on the remote control screen:

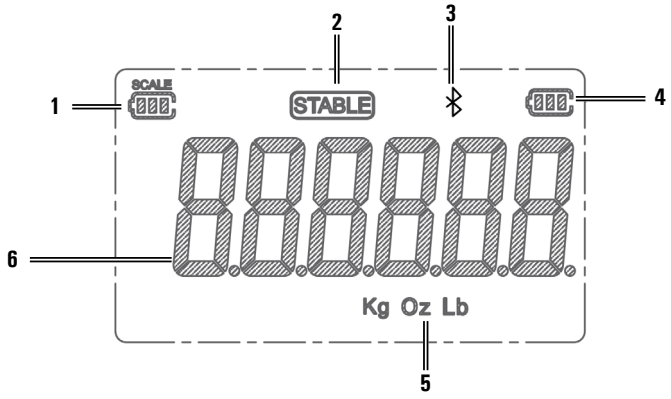


Fig. 6

1	Scale battery status indicator
2	Scale load stabilization indicator
3	Connection status indicator
4	Remote control battery status indicator
5	Current unit of measure
6	Weight

6.0 OPERATION

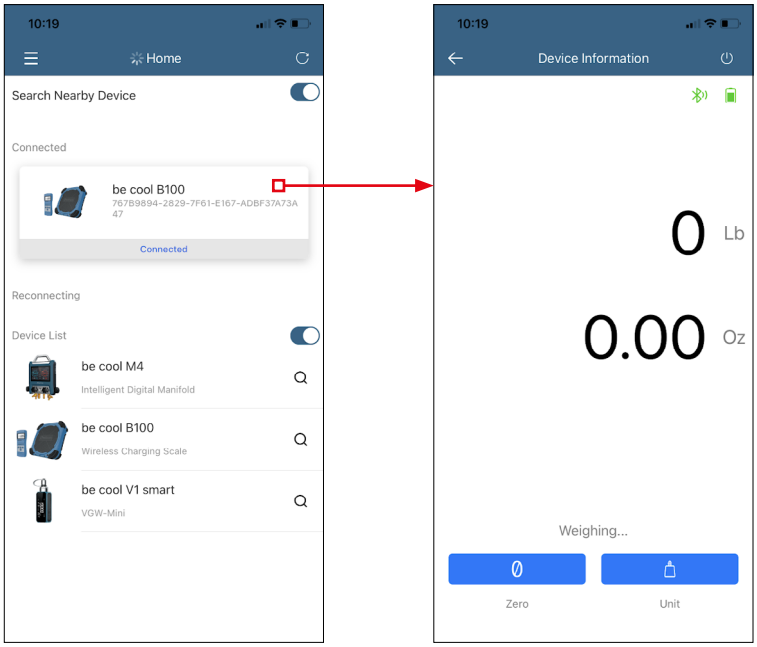
6.1 INSTRUMENT - REMOTE PAIRING

1. Take the scale out of the bag and pull out the remote control.
2. Place the scale on a solid and stable surface. Press the key "⏻"; the LED located on the front of the scale under the "⏻" button flashes red.
3. The scale emits a "beep"; the LED located on the front of the scale under the "⏻" button turns off, making the LED located on the front of the scale under the "((•))" button flash red.
4. Pull out the remote control and press the "⏻" button.
5. When "ᛒ" appears on the display of the remote control, the LED on the remote control and the LED on the front of the scale under the "((•))" button will flash green.
6. Now the scale is paired with the remote.
7. If necessary, press the button "unit" on the remote in order to change the measurement unit as needed.
8. Press the button "zero" on the remote to perform the zero measure on the scale.

If communication between the scale and remote control is interrupted, the "ᛒ x" symbol will appear on the remote control and the LED on the front of the scale under the "((•))" button will flash red.

6.2 PAIRING INSTRUMENT - APP SEITRON BE COOL

1. Take the scale out of the bag and place it on a solid, stable surface. Press the "⏻" button; the LED on the front of the scale under the "⏻" button flashes red.
2. The scale emits a "beep"; the LED located on the front of the scale under the "⏻" button turns off, and the LED placed under the button "((•))" blinks red.
3. Download the App mobile Seitron be cool from the Google Play Store or the App Store.
4. Start the App Seitron Be Cool.
5. Once the App is started, activate the function "Look for nearby devices"; when the BE COOL B100 scale is detected, select it.
6. When accessing the main screen of the App, the LED located on the front of the scale under the "((•))" button flashes green.
7. Now the scale is paired with the App



6.3 Connection / Reconnection status

In case neither the remote control nor the app is connected to the scale, the indicator will flash red.

If, the LED located on the front of the scale under the " " button flashes red, the remote control screen will show the " x" icon indicating disconnection from remote devices.
Press the " " button to reconnect the scale to the remote control or App.
When the scale LED is flashing fast red, the scale is in search mode, meaning that it is trying to reconnect to the remote control or App (if available).
If the scale is successfully reconnected to the remote control or App, the LED will slowly flash green. If the scale unsuccessfully searches for a device (remote control or App) for more than 120 seconds, the scale itself and the remote control will automatically turn off.

6.4 Weighing

1. If necessary, press the "unit" button on the remote control (or App) to change the scale measurement unit as needed.
2. Press the "zero" button on the remote control (or App) to zero the scale measurement.
3. Place the refrigerant gas bottle on the scale, over the rubber mat. Zero the scale again.
4. Read the weight value measured by the scale on the remote control (or on the App) when loading or unloading refrigerant gas into the system.

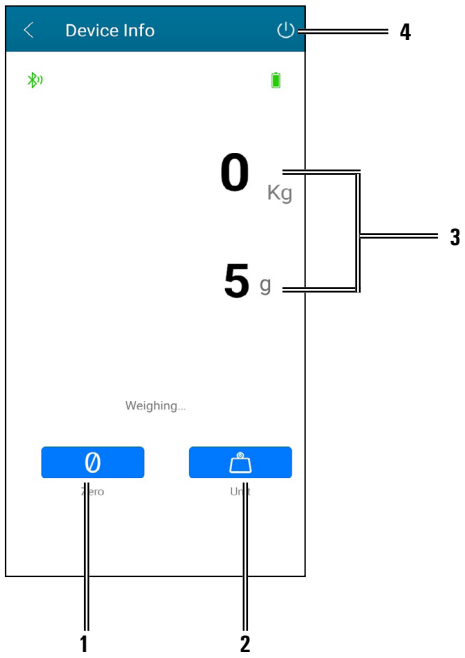
6.5 Measuring an out-of-scale weight

If the weight placed on top of the scale exceeds the maximum capacity (100 Kg), "FULL" will be displayed on the remote control, the buzzer is activated and the LED will start flashing red to indicate the alarm status.
It is necessary to pay attention to the weight you place on the scale to avoid damaging it.

6.6 Battery status indicator

The battery status indicator on the remote control indicates the charge status of the remote control and scale batteries. The indicator shows the battery symbol with all notches present if the batteries are fully charged, while it will be empty and flashing if the batteries are low . In case the batteries are not replaced, abnormal behavior of the remote control or scale may occur. It is recommended to replace the batteries on time, as soon as the charge indicator shows empty flashing.

7.0 APP SEITRON BE COOL INTERFACE



1	Zero key, tares the scale
2	Unit key, changes the measurement unit
3	Weight
4	Turns off the scale

8.0 TECHNICAL FEATURES

Power supply:	Scale:	5 x 1,5V ⎓ AA (alkaline batteries - provided) or 5 x 1,5V ⎓ AA (rechargeable batteries Ni-Mh)
	Remote control:	5 x 1,5V ⎓ AAA (alkaline batteries - provided) or 5 x 1,5V ⎓ AAA (rechargeable batteries Ni-Mh)
		Rechargeable batteries (not provided) recharge with external charger (not provided)
Automatic shutdown function:		If the weight does not change, after 10 minutes the scale will turn off
Remote control display:		Segments
Sound indicator:		Buzzer
Working temperature:		0°C .. +50°C
Storing temperature:		-20°C .. +70°C
Humidity limits:		20% .. 80% RH non-condensing

9.0 WARRANTY

In the interest of continuous development of its products, the manufacturer reserves the right to make changes in technical data and performance without prior notice. The consumer is guaranteed against product conformity defects according to the European Directive 2019/771 as well as the Seitron warranty policy document. The full text of the warranty is available from the seller upon request.

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