

**Making Your Job More Enjoyable**  
**Refrigerant Charge/Recover Scale**  
**VES-50A/100A**



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Dear User:

Thank you for choosing VALUE Product. For best result and right way to use it, please read this operating manual carefully before using, and especially Safety Guide. We suggest that you'd better keep this manual with the product or a place where you can easily find for later reference.

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Vrecoool100

### UNPACKING INSPECTION

Open the package case and take out the scale. Please check the following parts to see if any missing or damaged. If so, please contact your dealer immediately.

Part description	Qty
● Operating Manual	1
● Carrying Case	1
● Scale and handheld	1
● Backup Battery	1
● Hook	1

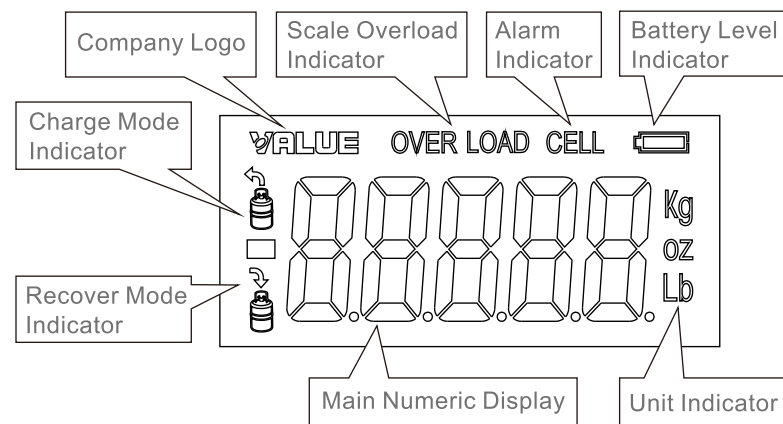
### SAFETY GUIDE

- 2.1 Check the scale before. Please do not use it if any part missing or damaged.
- 2.2 Please do not weight items that are over the maximum capacity of the scale. This could damage the scale.
- 2.3 The scale pan can be placed both in carrying case and outside. the scale pan must be in level during operation, otherwise it will influence the precision.
- 2.4 Please try to place the item in the middle of the scale pan and do not shake, never let any items (include the helix line) contact with the scale, otherwise will influence the precision.
- 2.5 Please do not storage or use the scale at a place where is high temperature, high humidity, explosive, flammable or strong electromagnetic fields.
- 2.6 Please do not change the internal circuit of electronic scale.
- 2.7 Please do not pull the helix line, this could damage the scale.
- 2.8 Please replace the battery when battery alarm on.
- 2.9 Turn the scale off after each use. If the unit is to be stored or not used for long time, take the battery out of the electronic scale. The scale turns off automatically after 30 minutes without pressing any buttons.

### TECHNICAL PARAMETER

Model	VES-50A	VES-100A
Weighing range	50Kg/110Lb/1764oz	100Kg/220Lb/3528oz
Resolution	2g/0.01Lb/0.1oz	5g/0.01Lb/0.21oz
Accuracy	0.05%	
Display	LCD(7 segment)	
Power	9V DC	
Working Environment	-10°C~40°C(14°F~104°F)	
Platform Size	237x237mm/ 9 1/3"x9 1/3"	
Weight	5Kg	
Anti-collision	YES	

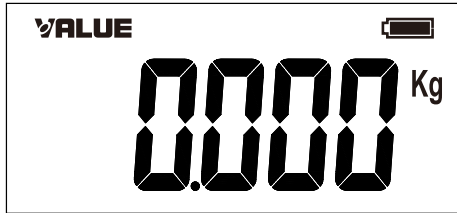
### LCD DISPLAY



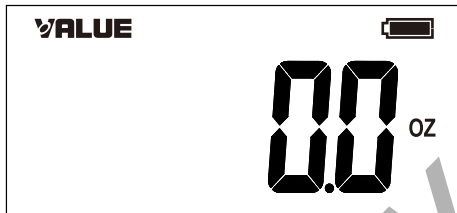
## OPERATING MANUAL

### 5.1 FUNCTION SET

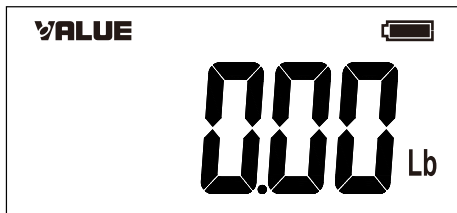
There are three weight units: kg(kilogram)、oZ(ounce)、lb(pound).Pressing "Function" key to scroll among kg, OZ and lb. The scale will set weight units as kg (kilogram) automatically.



Press "Function" key, switch to oz.



Press "Function" key again, switch to Lb.



### 5.2 B/L SET

According to different needs, press "B/L" key the scale can turn B/L(backlight) on or off. The color of the B/L is blue. The scale will not set backlight as automatically. It will turns B/L off automatically after 30s without pressing any buttons.

### 5.3 SCALE MODE

The first weight will be more than 20g, and after thatthe weight will display accurately as the resolution in the technical parameter form.

### 5.4 CLEAR SET

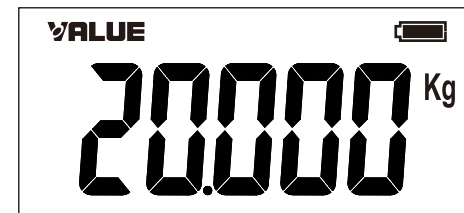
Press"Clear" to clear the current weight.

### 5.5 CHARGE MODE

This function allows the user to quickly and conveniently charge a system in a minimal amount of time. Simply turns on the CHARGE MODE and enter the weight (minimum 50g) to be charged.

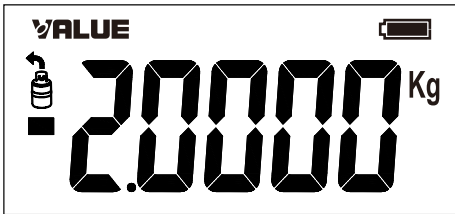
1. Turn the handheld on.
2. Place refrigerant tank on scale. Wait for the reading to settle out.

For example: The refrigerant cylinder is 20kg, the following screen will appear:

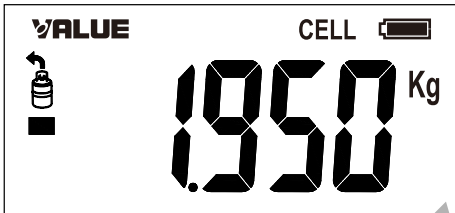


3. Press "Charge" key, the Charging Indicator will appear, and enter the weight to be charged, then press "Enter" key.

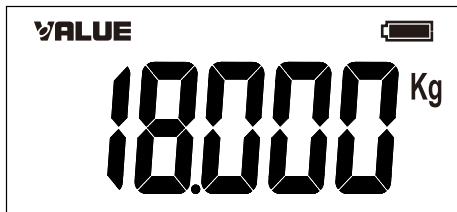
For example: The weight to be charged is 2kg, press "Charge"、"2"、"."、"Enter" step by step.



4. The scale will now start charge the entered amount of refrigerant. The scale's buzzer will alarm when charging nearly finish (refrigerant < 0.05kg).



5. When the number displayed is the same as the previously entered charge weight, the charge is completed, stop the charge system manually. Press "Enter", it will stop alarm, the LCD displays the total weight of refrigerant cylinder.



**⚠ Caution:**

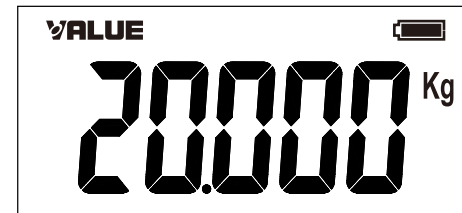
1. In charge mode, press "Charge" key to display the setting weight of charge.
2. If you press a wrong key during charge mode, there are two methods to re-enter.
  - Method 1. First, press the "Enter" key twice to cancel the last operation, then press "Charge" key again to enter the charge weight.
  - Method 2. The digital input is in loop mode. When the last digit input is completed, it will automatically jump to the first digit. At this time, the first digit is flashing. When the first digit is entered, the subsequent digits will turn to "0". You can re-enter the subsequent digits.
3. In the process of charging, press "Enter" key to finish the charge mode ahead of time.

**5.6 RECOVER MODE**

The scale is not only a stand-alone scale but also can be compared with a recovery/recycle machine component of a system.

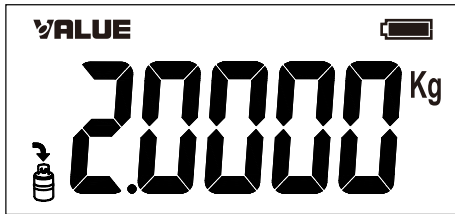
1. Turn the handheld on.
2. Place refrigerant cylinder on scale. Wait for the reading to settle out.

For example: The refrigerant cylinder is 20kg, the following screen will appear:

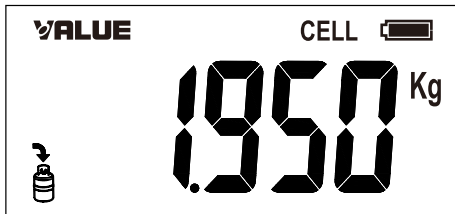


3. Press "RECOVER" key, and enter the weight to be recovered, then press Enter. For example:

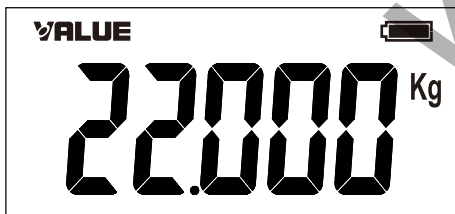
The weight to be recovered is 2kg, press "RECOVER"、"2"、"."、"Enter" step by



4. The scale will now start recovering the entered amount of refrigerant. The scale's buzzer will alarm when recovering nearly finish (refrigerant < 0.05kg).



5. When recovering is completed, Press "Enter", it will stop alarm, the LCD displays the total weight of refrigerant cylinders.



### ⚠ Caution:

1. In recover mode, press "Recover" key to display the setting weight of recover.
2. If you press a wrong key during recover mode, there are two methods to re-enter.  
Method 1. First, press the "Enter" key twice to cancel the last operation, then press "Recover" key again to enter the recover weight.  
Method 2. The digital input is in loop mode. When the last digit input is completed, it will automatically jump to the first digit. At this time, the first digit is flashing. When the first digit is entered, the subsequent digits will turn to "0". You can re-enter the subsequent digits.
3. In the process of recovery, press "Enter" key to finish the recover mode ahead of time.
4. The recover weight should not exceed 80% of the total cylinder capacity.
5. The total weight of recovered refrigerant and cylinder should not exceed the range of scale's measuring range.

### 5.7 REPEAT MODE

Press "Repeat", it will flash three times and indicate the same weight as last time, then it will directly start to charge/recover mode as last operation.

### 6. MAINTENANCE

- 6.1 Clean the surface of scale can only use a damp cloth and a little mild detergent. Do not use chemical solvents.
- 6.2 Turn the scale off after each use. Take the battery out for storage.
- 6.3 Do not use or store the scale in a place of humidity, high temperature, explosive, inflammable or strong magnetic field.
- 6.4 For overhaul and repair of the machine, ask an appointed VALUE distributor or contact with VALUE company directly. It will be out of warranty if the product disassembled by unauthorized individual.

### Correct Disposal of this product:

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

