

## Charging Scale Operating Instructions



### Introduction

CS-N SERIES refrigerant charging scales are used for refrigerant charging, recovery & weighing of commercial A/C, auto A/C, refrigeratory systems.

Portable carrying case with 230mm x 230mm platform.



High-visibility LCD display, larger sensor and higher accuracy.

More professional, reliable and stable !

### Operation Instructions



Button Keypad

1. Install the battery into the control box
2. Remove scale from case and place on a firm, level surface
3. Turn the charging scale on by pressing **ON/OFF** key about 2 seconds. 
4. After turning on the charging scale, the backlight is shown as white light, 0-10s is full backlight, 11s-30s is half backlight, and then the backlight is off. Press the **LAMP** key  again, and the backlight goes from full on to off in the order described above.
5. Use the **UNIT SHIFT** key to choose between Kilograms (Kg) or Pounds (Lbs) or OZ
6. To select the resolution 2 g or 5 g by pressing the button **RESOL**.
7. When charging refrigerant, place cylinder in the center of scale (do not place a cylinder over largest weight which scale can measure as damage may occur to the scale!)  
Attach your charging hose according to generally accepted HVAC practices, bleed air from your hose, and press the **TARE/ZERO** key to zero out the scale. Refrigerant charge will be displayed in negative numbers.
8. Long press **RUN/STOP** key, the data on the display will be locked, there is a mark "HOLD" on display, at this time, please kindly see below 2 different applications:  
1st application: Replace another new empty cylinder, then long press **RUN/STOP** key to release, there is a mark "RUN" on display, continue to recover, the reading on LCD will continue to increase.  
2nd application: Long press **POWER** key to power off, after change the battery or replace another new cylinder, then power on, the same reading before power off has been saved and shown on display, long press **RUN/STOP** key to release, there is a mark "RUN" on display, continue to recover, the reading on LCD will continue to increase.
9. Turn the charging scale off by pressing **ON/OFF** key and keep pushing about 2 seconds.

### Specification

Model	CS-50N	CS-100N	CS-150N
Capacity	110LB/50KGS	220LB/100KGS	330LB/150KGS
Unit Shift	LB/KG/OZ	LB/KG/OZ	LB/KG/OZ
Accuracy	0.05% of reading	0.05% of reading	0.05% of reading
Resolution	2g & 1g	5g & 2g	10g & 5g
Display	Large LCD, 67*25mm	Large LCD, 67*25mm	Large LCD, 67*25mm
Lamp	2 illumination levels plus "off"	2 illumination levels plus "off"	2 illumination levels plus "off"
Platform	230*230mm	230*230mm	230*230mm
Weight	4.0kg	4.0kg	4.0kg
Power	9V battery included	9V battery included	9V battery included
Operation Temp.	-4°F to 156°F / -10°C to 50°C	-4°F to 156°F / -10°C to 50°C	-4°F to 156°F / -10°C to 50°C
Programmable	No	No	No