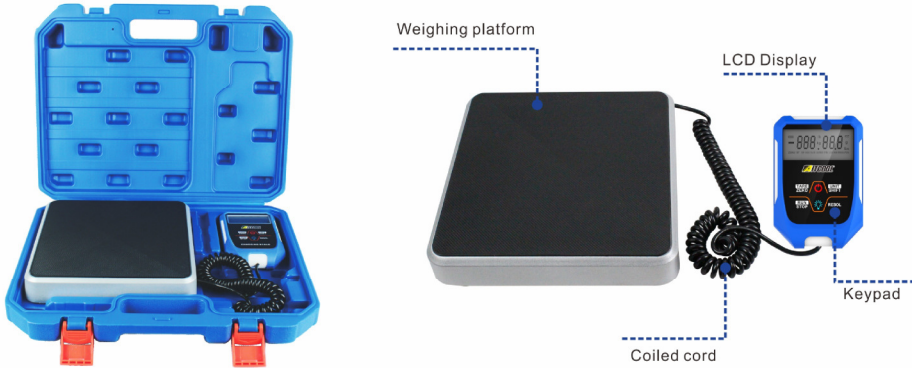


Introduction:

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.

FACTORY DEFAULT SETTING OF ON/OFF FUNCTION:

The scale's "AU ON" function is on as factory default. Long press "UNIT SHIFT" key for 3S, it shows "AU ON" for 2S, which means the auto power off function is turned on. Long press "UNIT SHIFT" key again for 3S, it shows "AU OFF", which means the auto power off function is turned off.

NOTE: Long press means the pressing is equal or greater than 2S, and short press means the pressing is less than or equal to 1S; After last power off the scale or after changing battery for the scale, then re-power on again, the boot default settings are same as last setting the customer made.

If the scale is under "AU OFF" mode, without pressing the POWER button, the scale won't be turned off;

If the scale is under "AU ON" mode, it would be auto power off accordingly.

4. "AU ON" function is on, there's the character "SET" after the "ZERO", after the weight is stable for 10S, the backlight weaken, 20S later, backlight off. 30mins later, the scale would be auto power off.
5. "AU ON" function is off, after the weight is stable for 10S, the backlight weaken, 20S later, backlight off.

30mins later, the scale would NOT be auto power off. Then if the "AU ON" mode is on, scale would not be off immediately, the auto powered off time would be recount after the backlight was off for 20S."

6. Press the key to turn on or off the backlight.
7. Use the **UNIT SHIFT** key to choose between Kilograms (Kg) or Pounds (Lbs) or OZ.
8. To select the resolution 2 g or 5 g by pressing the button **RESOL**.
9. 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.
10. 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 application:
 - 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.
11. 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 |