

3. Calibration

3.1. Calibration Mode

SWN supports two calibration mode.

Cal mode 1: Calibration after the initialization data

Cal mode 2: Calibration should only proceed again

After turning on the power, while the number is changed to "999999", "888888", "777777" on the display, calibration jumper short to enter the cal mode 1.

Before turning on the scale, calibration jumper already shorted, turn on power and enter the cal mode 2.

For example, for a 3kg scale, when Cal Mode 1 entry, show as follows:

The display shows the text "SET-DR" in a large, bold, black font on a white background. The "S" and "D" are stacked vertically, and the "E" and "R" are also stacked vertically, separated by a horizontal line.

Since it shows the screen as shown below. The meaning of the figure below is shown in Scale setting Table [TARE] key and change the settings, select the desired settings, press the [ZERO] key.

The display shows the number "3000" in a large, black, digital-style font on a white background.

| Capacity | Mode | Interval | e | Resolution |
|----------|--------|----------|-------|------------|
| 3 kg | 3000 | dual | 0.5/1 | 1/3000 |
| | 3001 | single | 1 | 1/3000 |
| | 3000.5 | single | 0.5 | 1/6000 |
| | 3000.2 | single | 0.2 | 1/15000 |
| | 3000.1 | single | 0.1 | 1/30000 |
| 6 kg | 6000 | dual | 1/2 | 1/3000 |
| | 6002 | single | 2 | 1/3000 |
| | 6001 | single | 1 | 1/6000 |
| | 6000.5 | single | 0.5 | 1/12000 |
| | 6000.2 | single | 0.2 | 1/30000 |
| 15 kg | 15000 | dual | 2/5 | 1/3000 |
| | 15005 | single | 5 | 1/3000 |
| | 15002 | single | 2 | 1/7500 |

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|--------------|---------|--------|------|---------|
| | 15001 | single | 1 | 1/15000 |
| | 15000.5 | single | 0.5 | 1/30000 |
| 30 kg | 30000 | dual | 5/10 | 1/3000 |
| | 30010 | single | 10 | 1/3000 |
| | 30005 | single | 5 | 1/6000 |
| | 30002 | single | 2 | 1/15000 |
| | 30001 | single | 1 | 1/30000 |

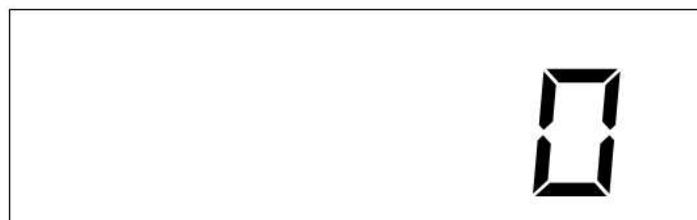
After pressing the [ZERO] key, the display is as follows. When press [TARE] key, digits shift is possible, pressing the [MODE] key to increase the number. After finishing the setting, press the [ZERO] key to save, and exit from the menu.



Parameter setting, see below table.

| DIGIT | Description | Value | Description |
|---------|--------------------|-------|--------------|
| DIGIT 6 | Initial Zero range | 0 | Disable |
| | | 1 | $\pm 10\%$ |
| DIGIT 5 | Vibration Filter | 0~9 | Filter level |
| DIGIT 4 | Auto Zero Tracking | 0~9 | 0~9 d |
| DIGIT 3 | Zero compensation | 0~9 | 0~9 d |
| DIGIT 2 | Creep compensation | 0~9 | 0~9 d |
| DIGIT 1 | Decimal display | 0 | : |
| | | 1 | ; |

If you enter cal mode 2, it appears as below:



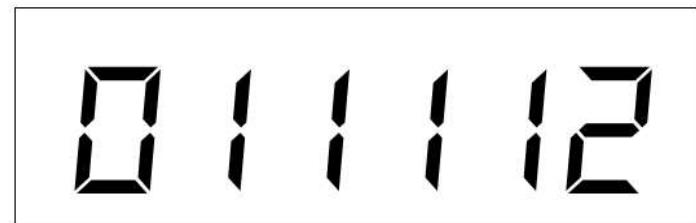
you can only calibrate span calibration.

Apart from calibration mode, SWN supports to change user settings and AD tests such as:

- (1) Change your settings

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After turning on the power scale, while the display are turned on, press the [TARE] key you can change the user settings. Press [TARE] key, and move digits (digit shift) is possible, pressing the [MODE] key to increase the number. After finishing the setting, press the [ZERO] key to save, and exit from the menu.



| DIGIT | Description | Value | Description |
|---------|---------------------|-------|-------------|
| DIGIT 6 | Use Back light | 0 | Don't use |
| | | 1 | Use |
| DIGIT 5 | Use kg | 0 | Don't use |
| | | 1 | Use |
| DIGIT 4 | Use lb | 0 | Don't use |
| | | 1 | Use |
| DIGIT 3 | Use gram | 0 | Don't use |
| | | 1 | Use |
| DIGIT 2 | Use oz | 0 | Don't use |
| | | 1 | Use |
| DIGIT 1 | Default Weight Unit | 0 | Use kg |
| | | 1 | Use lb |
| | | 2 | Use gram |
| | | 3 | Use oz |

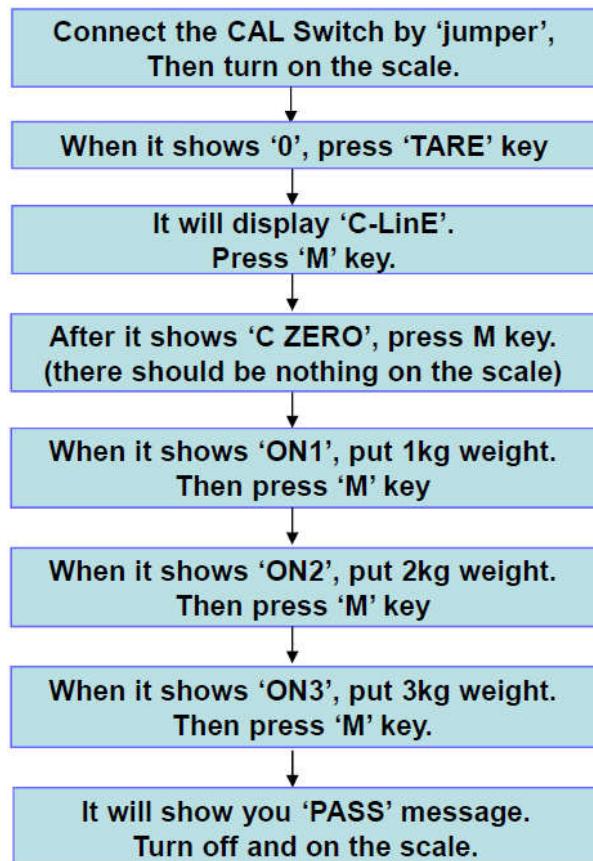
(2) AD test function

If after turning on the power scale, press the [MODE] key nit, you can check the AD value. In this case, press [ZERO] key to exit to the weighing mode.

TEST

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3.2. Span Calibration



- (1) Pressing and holding "Calibration Switch" press power on/off switch. It displays "0" message.
- (2) Press [TARE] to display "C-line".

C-LINE

- (3) Press [ZERO] key and then it displays "zero" message.

C-ZERO

(4) Press [M] key and then it displays "On1" message

ON1

(5) Load middle weight (ex:1/3 full capacity) on the platform

(6) Press [M] key and then it displays "On2" message

ON2

(7) Load middle weight (ex:2/3 full capacity) on the platform

(8) Press [M] key and then it displays "On3" message

ON3

(9) Load full weight on the platform

PASS

(10) Press [ZERO] key and then, the display will show all the segments and count up "9" to "0".