

SWN SERIES

Simple Weighing Scale

LCD Ver.



CAS

Thank you for your purchase.

For the proper using & maintaining the scale please read this instruction completely before operating.

Contents

PRECAUTIONS 4

PREFACE 6

NAMES AND FUNCTIONS 6

OPERATIONS 9

 1. Simple Weighing Mode9

 2. Weighing with Tare 10

 3. Hold Function (SWN-SC) 11

 4. Comparator Function-HI/LOW Limit Setting (SWN-CC) 11

 5. Counting Function (SWN-CC) 13

 6. User Set Mode 15

 7. How to Use Print 16

 8. Communication 23

BATTERY MAINTENANCE 25

ERROR MESSAGE 25

SPECIFICATIONS (SWN-SC/ SWN-CC) 26

PRECAUTIONS



Warning

Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

	Do not disassemble the scale. When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.
	Do not overload beyond the maximum weight limit.
	Scale must be grounded to minimize electricity static. This will minimize defect or electric shock.
	Do not pull the plug by its cord when unplugging. Damaged cord could cause electric shock or fire.
	To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.
	To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.
	Avoid placing the scale near heater or in direct sunlight.
	Insert plug firmly to wall outlet to prevent electric shock.
	Use proper Adapter. Incorrect adapter could damage the scale.



Attention

Make sure to plug your scale into the proper power outlet.
For maximum performance, plug into a power outlet 30 minutes before the usage for warm up.

	For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.
	Avoid sudden shock to the scale.
	Grab on the bottom of the scale when moving.
	Keep the scale away from other electromagnetic enenerating devices. This may interfere with accurate reading.
	Place the scale on firm and temperature consistent environment.
	By adjusting 4 comers of the scale, set the scale even using the built in scale leveling indicator.
	Take the battery out when scale is not in use for long time. Leakage from the batteries is hazardous.

PREFACE

Thank you for purchasing CAS SWN-SC/CC Series.

These series have been designed with CAS reliability, under rigid quality control and with outstanding performance. Your special departments can enjoy these high quality reliable CAS products.

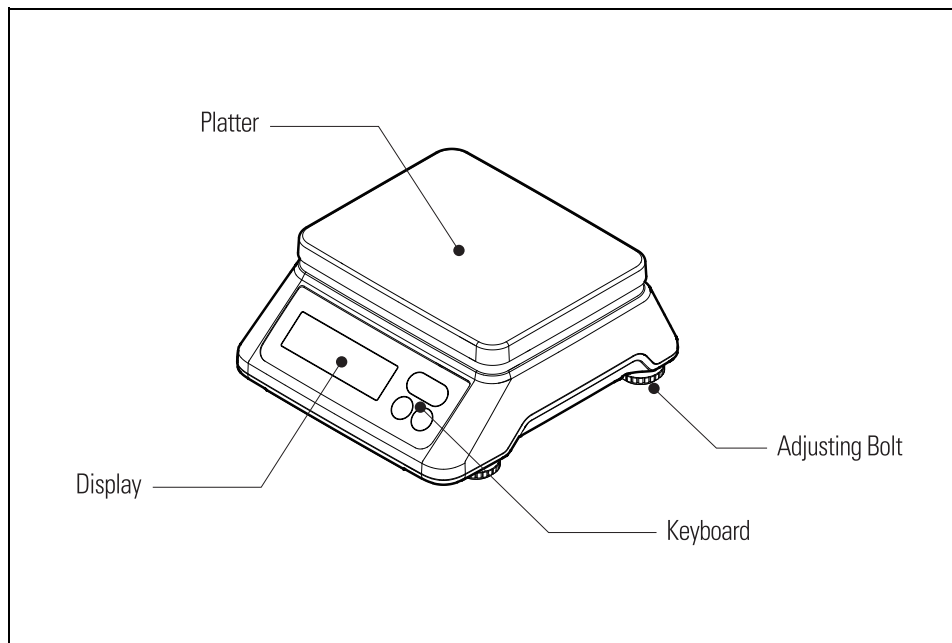
We believe that your needs will be satisfied and you will have proper reliability.

This manual will help you with proper operation and care of the SWN-SC/CC Series.

Please keep it handy for future reference.

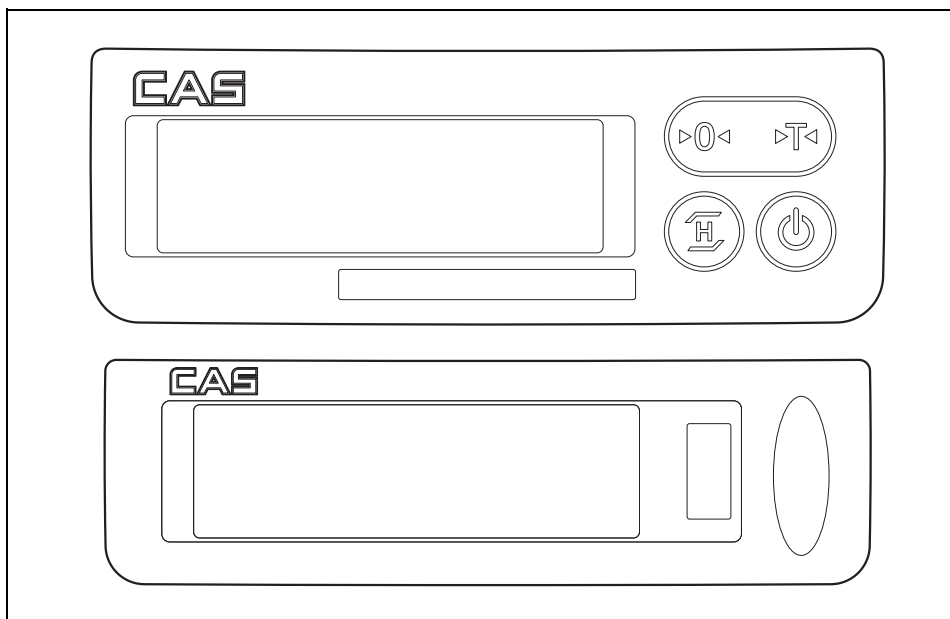
NAMES AND FUNCTIONS

OVERALL VIEW



SWN-SC

DISPLAY & KEYBOARD

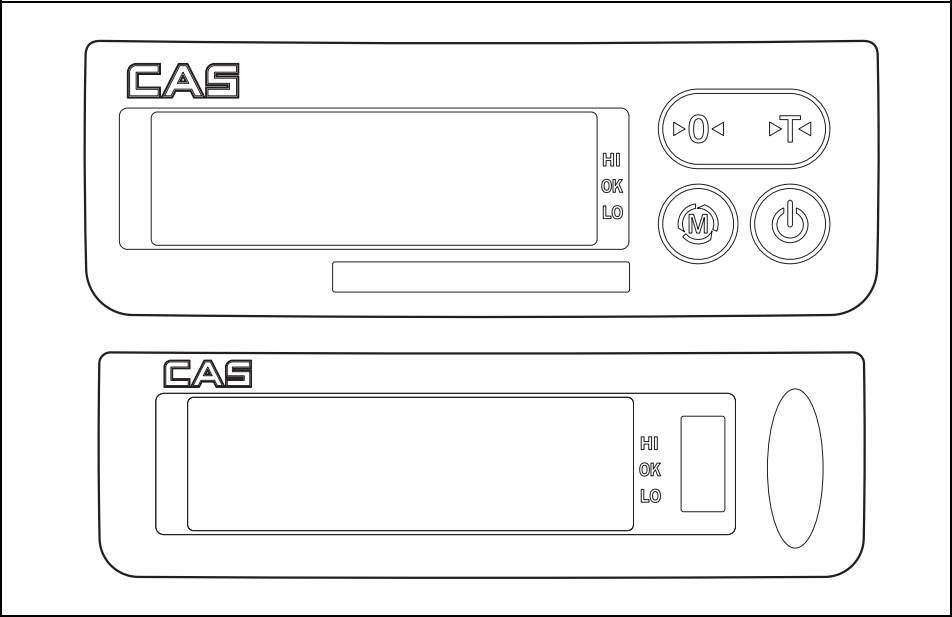


KEY FUNCTIONS

KEYS	FUNCTIONS
	Used to set the zero point.
	Used to input or cancel the weight of tare.
	Used to make the weight of commodity stable. This weight is average value
	Used to turn on and off the scale.

SWN-CC

DISPLAY & KEYBOARD



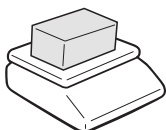
KEY FUNCTIONS

KEYS	FUNCTIONS
	Used to set the zero point.
	Used to input or cancel the weight of tare.
	Shown as following sequence on the display. [kg] → [WL on or off] → [PCS] → [kg]
	Used to turn on and off the scale.

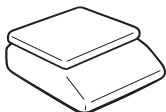
OPERATIONS

- Turn on the display by pressing  key. Then, the display will show all the segments and count up "0" to "9". You may stop this automatic counting by pressing the  key.
- When you turn on the display, make sure that platter is empty. Otherwise, display will show "Err 1", an error of initial zero range. Please refer to "ERROR MESSAGE" section for more information on page 25.
- When the weight becomes stable the display shows the "  " light on.
- You may need to make it "0.000" by pressing  key unless the display indicate "0.000" under the empty platter.

1. Simple Weighing Mode



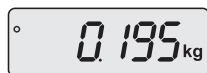
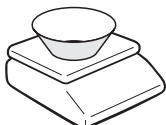
① Place a commodity on the platter.



② Remove the commodity from the platter.

2. Weighing with Tare

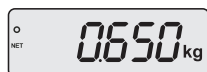
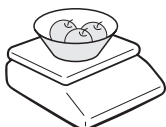
- TARE means the weight of container being used for a commodity.
- TARE key function is to subtract the weight of the container from full weight loaded.



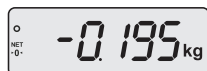
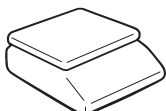
① Place a container on the platter.



② Press the  key.



③ Place a commodity into the container, then the display will show only the weight of the commodity.

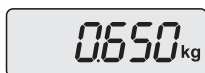


④ Remove container and commodity, then the display will show the weight of the container with "-" symbol.



⑤ Press the  key, then display will show the "0.000".

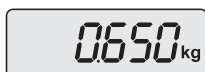
3. Hold Function (SWN-SC)



- ① When the weight is unstable,
press the  key

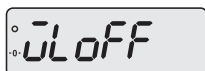


- ② Display will show the "HOLD" for four seconds.



- ③ And then the display will show the average
weight five times.

4. Comparator Function - HI / LOW Limit Setting (SWN-CC)



- ① Press the  key until the display shows
"WL OFF". "WL OFF" means that comparator
Function is not activated.



- ② Press  key to activate this function.
The display shows "WL ON".



- ③ Press  key once to set up the low limit.
The display shows "0.000" and the first number
flashes.



- ④ Press the  key to have number increase.
To move flash to next digit, press  the key.



- ⑤ Press  key to set up HIGH limit.
The display shows "0.000" and you can change
these numbers by press  key.
If you want to move to next digit you can go by
pressing  key.

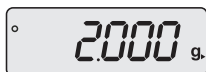
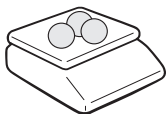


- ⑥ If you set up HIGH limit you can go out by
Pressing  key, and "WL on" message on the display.

- ⑦ If you set up HIGH limit and LOW limit incorrectly, "Err" will be shown on the display. Then you may need to set it up again.
For example, LOW LIMIT=2.990 kg and HIGH LIMIT=1.990 kg this is incorrect setting because HIGH limit is lower than the LOW limit.
When HIGH and LOW limit are set as the same or above maximum capacity it still shows "Err" message.



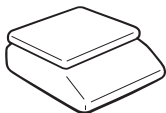
- ⑧ If you want to go back to the simple weighing mode just press  key twice.



- ⑨ Suppose that the HIGH limit and LOW limit are set up as 2.990kg and 1.990kg respectively. If the weight loaded is 2kg between HIGH and LOW limit the scale continues to beep slowly. If the weight loaded is above 2.990kg, HIGH limit, the scale continues to beep rapidly.

5. Counting Function (SWN-CC)

• Counting without Tare



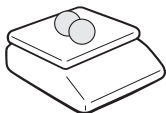
① Initial display as above.



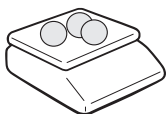
② Press (M) key twice to go to sample unit selection mode



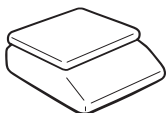
③ Press >0< key to select the number of sample unit.
You can select 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 200, 300, 400, or 500 as a sample unit.



④ If you select "P_10" as a sample unit, then please put 10 sample units on the scale.
Then press >T< key to set sample units.

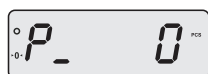
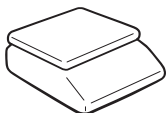


⑤ Put all of commodities you wish to count, and then check the number of pieces on display.

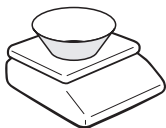
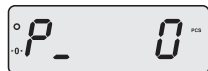
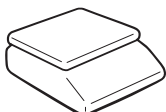
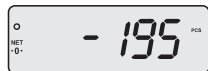
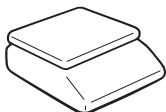
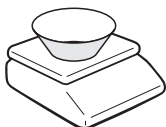
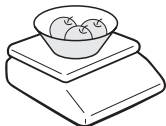
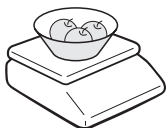
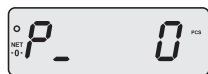
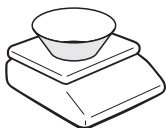


⑥ Remove all of commodities from the scale.

• Counting with Tare



① Press (M) key twice to go to sample unit selection mode. "PCS" is shown on the display, then press >0< key to select the number of sample unit.



- ② Put the container on the scale and press  key to set weight of tare. You can select 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 200, 300, 400, or 500 as a sample unit, by pressing  key.

- ③ If the number of selected sample unit is 20, please put 20 sample units on the scale. Then press  key to set unit weight.

- ④ Put all of commodities you wish to count, and then count the number on display.

- ⑤ Remove all of commodities from the scale.

- ⑥ Remove the tare from the platter.

- ⑦ Press  key and then Press  key to exit from tare function.

- ⑧ When you try to set the number of sample unit at the ③ stage the display may show "LACK" message shortly. The result of counting may be incorrect in the following cases.

a. unit weight $\leq 1/2 \text{ e}^*$

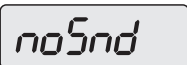
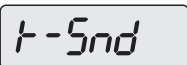
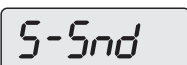
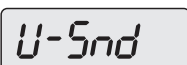
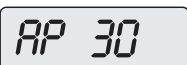
b. weight loaded $\leq 2\%$ of maximum weighing capacity.

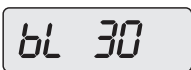
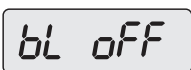
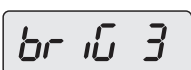
6. User Set Mode

When the scale is turned off press  key, holding  key.
Then you will see the “U Set”. In user set mode, you can navigate through each menu using  keys, and the previous settings are saved.

Additionally, you can use  keys to switch between different user set modes

• Table

MENU	DISPLAY	DESCRIPTION
Print Mode		This stage cannot print out.
		This Print Mode is ‘Command Mode’.
		This Print Mode is ‘Stable Mode’.
		This Print Mode is ‘Continue Mode’.
		This Print Mode is ‘Change weight Mode’.
		This Print Mode is ‘Command Mode’.
Auto Power Off		This function does not automatically power off.
		This function does automatically power off when the scale is not in use for 10 minutes.
		This function does automatically power off when the scale is not in use for 30 minutes.
		This function does automatically power off when the scale is not in use for 60 minutes.

Backlight		Use back-light.
		Back-light is on 10 seconds.
		Back-light is on 30 seconds.
		Do not use back-light.
Brightness		You can set backlight brightness brig1 ~brig7. (Default : 3)

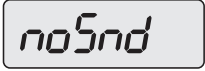
7. How to Use Print

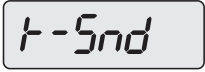
7-1. Mode Change

You can use print out function. Print Out Mode has total 6 stage.

Each Stage is "NOSEND, K-SEND, S-SEND, U-SEND, C-SEND, E-SEND"

- 


① When the scale is turned off press  key, holding  key. Then you will see the "U SEt".
- 


② If you press the  key one more time, You will see the "noSnd" or before state ("noSnd" mean 'No Send' and This stage cannot print out.)
- 


③ If you press the  key, You can change the print mode. Mode order is "NoSnd → K-Snd → S-Snd → U-Snd → C-Snd → E-Snd".

7-2. K-Send

• Mode Setting

This Print Mode is 'Command Mode'. First of all, You must scale's mode setting.



t-Snd

- ① If you see "K-Snd" on display,

Press the key, You can save this mode and you will see the Auto Power Set Mode.



AP off

- ② If you see "AP XXX" on display,

Press the key one more time, you can save Auto Power's current state.



bl on

- ③ Press the to move to the next setup step, which is toggling the backlight on and off.



bl 30

- ④ Press the until the display shows "bl XX," where you can select the desired option.

Example: Select Auto Off after 5 seconds.



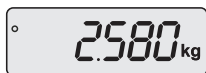
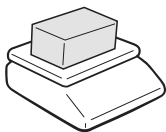
br 10 3

- ⑤ Press the to save the current settings and move to the backlight brightness setting step.

Use the to select the backlight brightness level (1-7).

- Press the to automatically enter weighing mode.

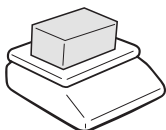
• Print Operation



- ① Place a commodity on the platter, then the display will show the weight of the commodity.



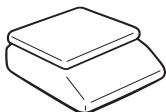
- ② If you press the  key, You can see the "SUM" message a little time and then Current weight. The Scale send the value to the printer.



- ③ Place an another commodity on the platter.



- ④ Press the  key, you can send the another weight to the printer.



- ⑤ Remove container and commodity, then display will show the "0.000".



- ⑥ Press the  key, Total weight is send to the printer.

• Print Out

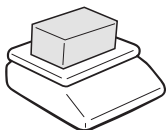
K-send MODE	
=>Command Mode	
Count Weights/kg	
1	3.730
2	1.730
Sum Total	5.460

7-3. S-Send

● Mode Setting

This Print Mode is 'Stable Mode'. Please refer to the page 16.

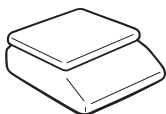
● Print Operation



- ① Place a commodity on the platter, then the display will show the weight of the commodity.



- ② If weight is stable state, You will see ○ on display and then you listen to the buzzer sound one time.



- ③ Remove commodity, and then place a another commodity. You can print another weight.

● Print Out

S-SEND MODE

=> Stable Mode

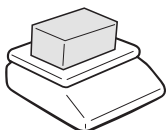
3.730

7-4. U-Send

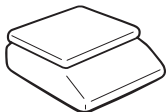
● Mode Setting

This Print Mode is 'Continue Mode'. Please refer to the page 16.

● Print Operation



- ① Place a commodity on the platter, then the display will show the weight of the commodity.
The weight is send to the printer continually.



- ② Remove container and commodity, then display will show the "0.000".

● Print Out

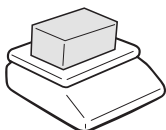
U-SEND MODE	
=> Continue Mode	
3.730	
3.730	
3.730	
3.730	
0.00	
0.00	
0.00	
0.00	

7-5. C-Send

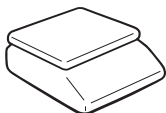
● Mode Setting

This Print Mode is 'Change weight Mode'. Please refer to the page 16.

● Print Operation



- ① Place a commodity on the platter, then the display will show the weight of the commodity.



- ② Remove container and commodity, then display will show the "0.000". While weight is change, The weight is send to the printer.

● Print Out

C-SEND MODE

=> Change weight Mode

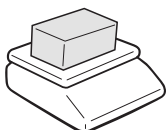
0.000
0.320
2.250
3.730
1.930
0.840.
0.155
0.000

7-6. E-Send

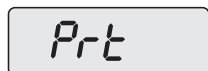
• Mode Setting

This Print Mode is 'Command Mode'. Please refer to the page 16.

• Print Operation

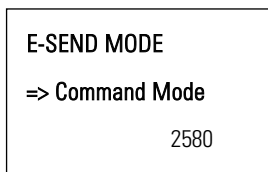


- ① Place a commodity on the platter, then the display will show the weight of the commodity.



- ② Pressing  key will display "PRT" on the LCD. While weight is change, The weight is send to the printer with a buzzer sound.

• Print Out

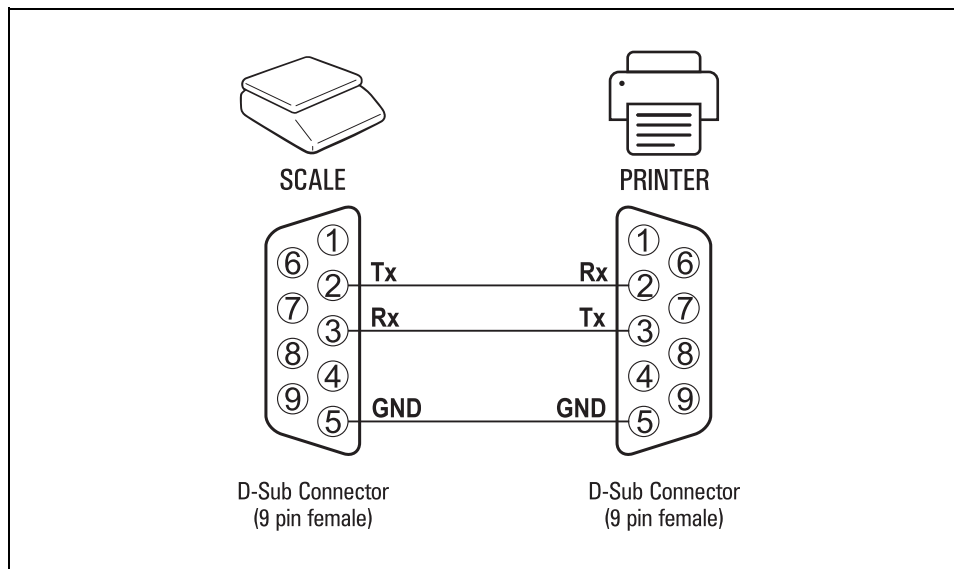


8. Communication (RS-232, USB-B type, Bluetooth)

1) Serial(RS-232) Interface (option)

Connect the device to the printer using a dedicated cable.

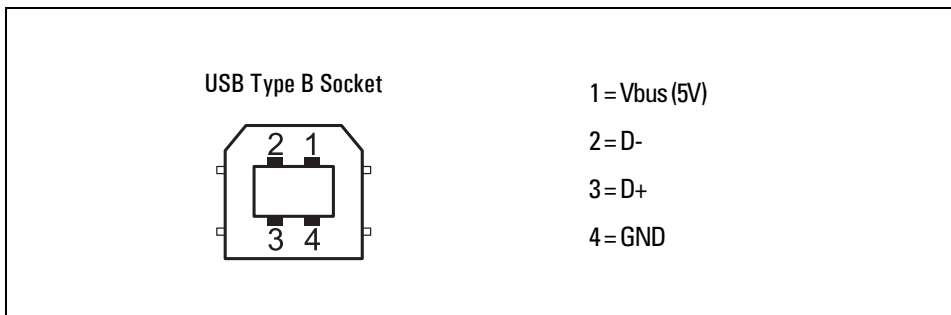
- How to connect an RS-232 port



- 8-BIT ASCII code
- None parity
- 1 stop bit
- baud rate 9600

2) USB B type Interface (option)

- How to connect a USB



3) Bluetooth (option)

Turn on your phone's Bluetooth function and connect with the scale's Bluetooth.

BATTERY MAINTENANCE

LOW BATTERY WARNING

When the battery is low the display shows the "BATT" sign.

You can replace the battery new one.

If you still use the scale without replacing the battery the scale may provide incorrect result on measurement.



※ Low Battery status.



※ Battery cut off display.

ERROR MESSAGE

Error Message on Display	Description	Solution
	The "Err 0" occurs when scale is not stable.	Remove unstable facts.
	The "Err 1" occurs when a current zero point has shifted from the last span calibration.	Please call your CAS dealer.
	The "Err 3" is an overload error.	Please remove the weight.
	The "Err 9" is no weight error. When scale is in counting mode, you must load the weight. If you have no weight on your scale, you can see this error message.	Please load the weight on your tray.

SPECIFICATIONS

MODEL	SWN-SC / CC			
Capacity / e	Dual Interval Max 1.5/3 kg e=0.5/1 g	Dual Interval Max 3/6 kg e=1/2 g	Dual Interval Max 6/15 kg e=2/5 g	Dual Interval Max 15/30 kg e=5/10 g
Internal Resolution	1/60000			
External Resolution	1/3000			
MAX Tare	-1.4995 kg	-2.999 kg	-5.998 kg	-14.995 kg
Display	115 x 35 [mm] / 45 " x 15.5 " 6 digit LCD			
Symbols	STABLE, ZERO, TARE, Low Battery, HI / LO / OK & PCS (SWN-CC)			
Keys	ZERO, TARE, HOLD(SWN-SC), MODE(SWN-CC), POWER			
Functions	Weighing, Hold(SWN-SC), Counting-Counting SampleRange : 10~100,200,300,400,500 (SWN-CC) Weight Comparison Function : hi, ok, low (SWN-CC) Sleep Mode Function			
Dimensions	256 (W) x 285.4 (D) x 121.7 (H)[mm]			
Platter size	238.4 (W) x 191.4 (D)[mm]			
Weight	2.5 kg			
Power	1.5 V x 4 units (D size Battery), 9 V / 300mA Adapter (option)			
Operation Time	Approx. 500 hours (Manganese Battery) / 1000 hours (Alkaline at 20 °C / 68 °F)			
Operating Temperature	-10°C ~ +40°C / 14°F ~ 104°F			
Minimum Voltage Level of The Battery	About 3.4V			
Option	9 V / 300mA Adapter, Rear Display, Stainless Tray, Bluetooth, RS-232, USB B Type			

※ Notice: Specifications are subject to change for improvement without notice.

SWN SERIES

Simple Weighing Scale



CAS BLDG., #1315, YANGJAE-DAERO,
GANGDONG-GU, SEOUL, KOREA

TEL_ 82 2 2225 3500

FAX_ 82 2 475 4668

www.globalcas.com



9 0 0 2 S W O 0 0 3 3 0