

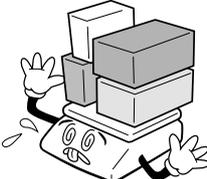
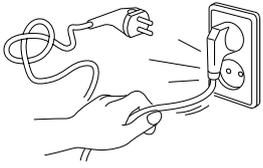
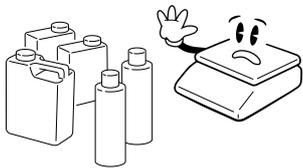
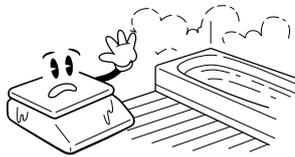
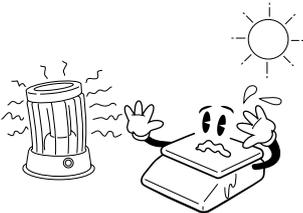
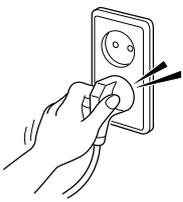
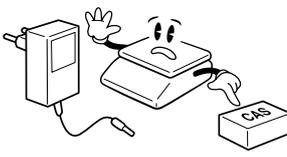


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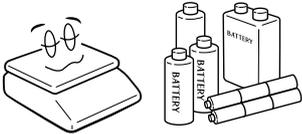
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## PRECAUTIONS

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

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

**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.**

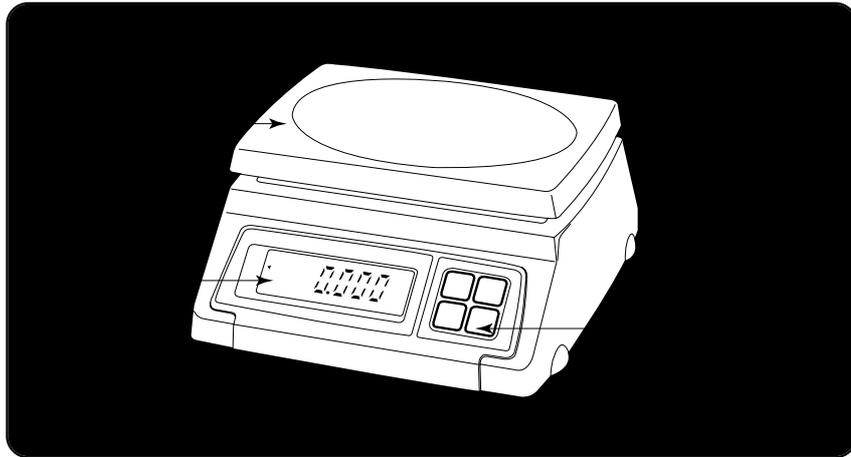
⚠ Attention		
<p>For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.</p> 	<p>Avoid sudden shock to the scale. Internal mechanism could be damaged.</p> 	<p>Grab on the bottom of the scale when moving. Do not hold by the platter.</p> 
<p>Take the battery out when scale is not in use for long time. Leakage from the batteries is hazardous.</p> 	<p>Place the scale on firm and temperature consistent environment.</p> 	<p>By adjusting 4 corners of the scale, set the scale even using the built in scale leveling indicator.</p> 
<p>Keep the scale away from other electromagnetic generating devices. This may interfere with accurate reading.</p> 		

## PREFACE

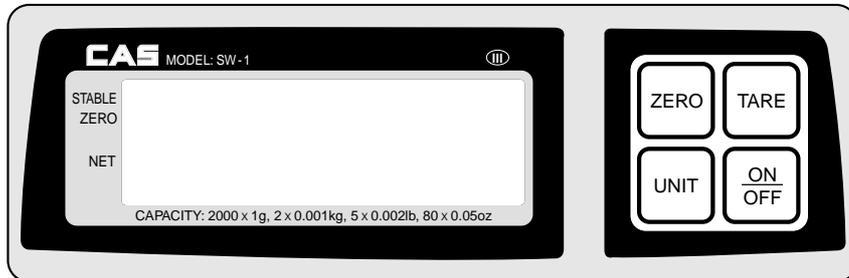
Thank you for purchasing our CAS SW Series. This scale has been designed with CAS reliability, under rigid quality control and with outstanding performance. Your specialty departments can enjoy these high quality reliable CAS products. We believe that your needs will be satisfied and you will have excellent reliability. This manual will help you with proper operation and care of the SW Series. Please keep it handy for future reference.

## NAMES AND FUNCTIONS

### OVERALL VIEW



### DISPLAY & KEYBOARD



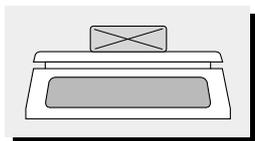
■ FUNCTION

KEYS	FUNCTIONS
	Used to set the zero point.
	Used to enter a tare weight and used to cancel a tare weight.
	Used to convert the unit of weight.
	Turn on and off the display.

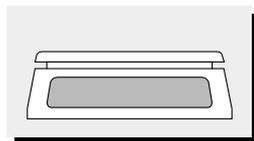
## OPERATIONS

- Turn on the display by pressing ON/OFF key.  
Then the display will show all the segments and count up "0" to "9".  
(If you want to stop it, press the ZERO key.)  
When you turn on the display, make sure that platter is empty.  
Otherwise, display will show the "Err 1". (Refer to ERROR MESSAGE)
- The display indicates if the scale is at ZERO or if there is a TARE Entered into the scale by way of a ZERO and NET lamps.
- When the weight of commodity is stable, display will show the ○(STABLE) lamp.
- When the display is not zero though there is nothing on the platter, press the ZERO key.

### 1. General Weighing



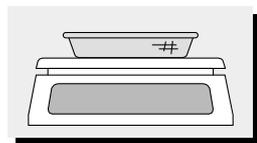
① Place a commodity on the platter.



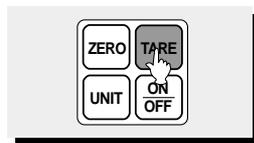
② Remove the commodity from the platter.

## 2. Weighing with Tare

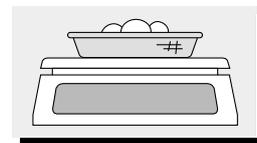
- Tare is the weight of container being used for a commodity.
- The TARE key subtracts the weight of the container.



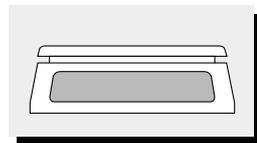
① Place a container on the platter.



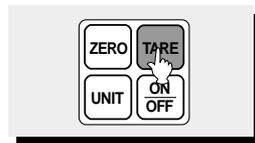
② Press the TARE key.



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



① Remove the container and commodity, then the display will show the weight of the container with "-" sign.



② Press the TARE key, then display will show the "0.000".

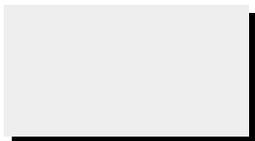
## 3. How to Convert the Unit of Weight

- Press the UNIT key, then the display will show the "UnIt" for a second.
- Press the UNIT key until the display shows the unit that you wish to take.

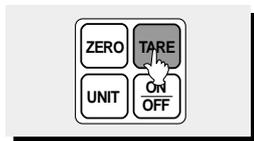
► NOTE: Unit of measure is g, kg, lb, and oz selectable by pressing UNIT key.

## 4. How to Set Auto Power Off

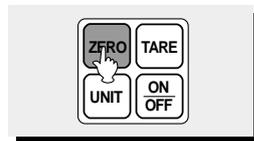
Auto-Power off makes the battery's life longer.  
When you don't operate the scale, this function makes the power OFF automatically.  
Before setting the Auto Power Off, make sure that the power is OFF.



① While you press the ZERO key, press the ON/OFF key, then you will see the AP-10. (If you have set this before, display will show previous value.)



② Press the TARE key, until the display shows the "AP-x0" that you wish to take. (Refer to TABLE 1.)



③ Press the ZERO key, then the scale saves what you programmed and shows all the segments and count up "0" to "9".

TABLE 1.

DISPLAY	FUNCTION
AP-00	This function will keep scale on continuously.
AP-10	If you don't operate the scale for 10 minutes, this function will turn the power OFF.
AP-20	If you don't operate the scale for 20 minutes, this function will turn the power OFF.
AP-30	If you don't operate the scale for 30 minutes, this function will turn the power OFF.

## BATTERY SYSTEM

### LOW BATTERY

When the battery is low, display will show the "BAT" indication.  
A new battery is required. Battery compartment is located on the bottom of the scale.  
If you use the scale without replacing the battery, display will show "LObAt" and then scale will shut OFF.

## ERROR MESSAGE

ERROR	REASONS	SOLUTIONS
Err 1	An error of the initial zero range	Set the platter empty
O-L	An overload	Refer to specifications

## SPECIFICATIONS

MODEL	SW-2	SW-5	SW-10	SW-20
CAPACITY	5 × 0.002 lb 2 × 0.001 kg 80 × 0.05 oz	10 × 0.005 lb 5 × 0.002 kg 160 × 0.1 oz	20 × 0.01 lb 10 × 0.005 kg 400 × 0.2 oz	50 × 0.02 lb 20 × 0.01 kg 800 × 0.5 oz
DISPLAY	LCD (5 DIGIT)			
TEMPERATURE RANGE	-10°C ~ +40°C (14°F ~ 104°F)			
POWER SUPPLY	1.5V × 6 (D size Battery)			
POWER CONSUMPTION	APPROX. 0.25 W			
BATTERY OPERATING TIME	500 hours (Manganese battery), 1000 hours (Alkaline battery)			
PLATTER SIZE (inch/mm)	9.1(W) × 7.5(D) / 230(W) × 190(D)			
PRODUCT SIZE (inch/mm)	10.2(W) × 11.3(D) × 5.4(H) / 260(W) × 287(D) × 137(H)			
PRODUCT WEIGHT	6.2 lb / 2.8 kg			
OPTION	9V Adapter 300mA, Rear display			

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