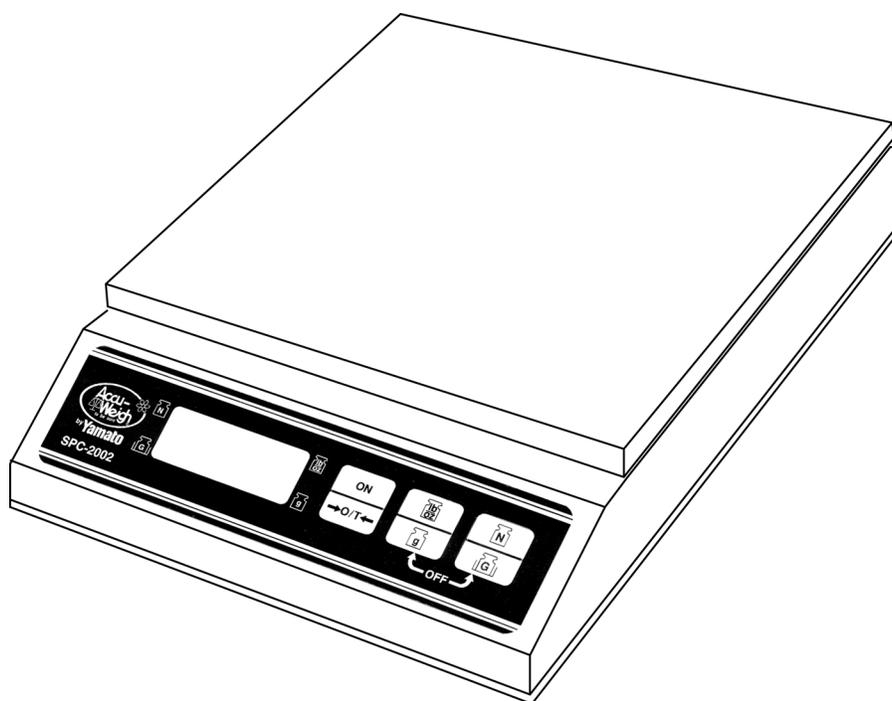


Digital Food Scales



by **Yamato**
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SAFETY INSTRUCTIONS

Before using the scale, carefully read, understand, and follow the "Safety Instructions" described in this manual. Observe the advice given in this manual to ensure proper operation. Keep this manual handy for reference.

- 1) This scale is **not** an explosion-proof model. Do not use the scale in an atmosphere containing flammable gases or explosive fumes. A fire or an explosion can result.
- 2) Do not operate the scale if there is smoke or a burnt smell coming from the scale. Remove the batteries or unplug the AC adaptor immediately. After making sure that there is no danger, consult your dealer. **Never try to repair the scale by yourself.**
- 3) Never step on or sit on the scale. Not only will the scale be damaged, but you may also be injured.
- 4) Place the item to be weighed in the center of the platform. Items placed on the edge of the platform may fall off and cause injury.
- 5) When weighing a heavy, large or unbalanced item, make sure the item is stable on the platform, otherwise, an accident may occur.
- 6) When carrying or moving the scale, be sure to hold it by the bottom of the base with both hands. If you hold it by the platform, the platform or the platform support may become detached causing the scale to fall. This will damage the scale. The platform is designed for easy removal and clean-up.
- 7) Do not insert your finger into the gap or holes in the scale. You may be injured.
- 8) The SPC uses a liquid crystal display. If the LCD breaks and the liquid leaks from the LCD, do not touch it with your fingers. The liquid is toxic if ingested. Be especially careful around small children.

To prevent damage to the scale

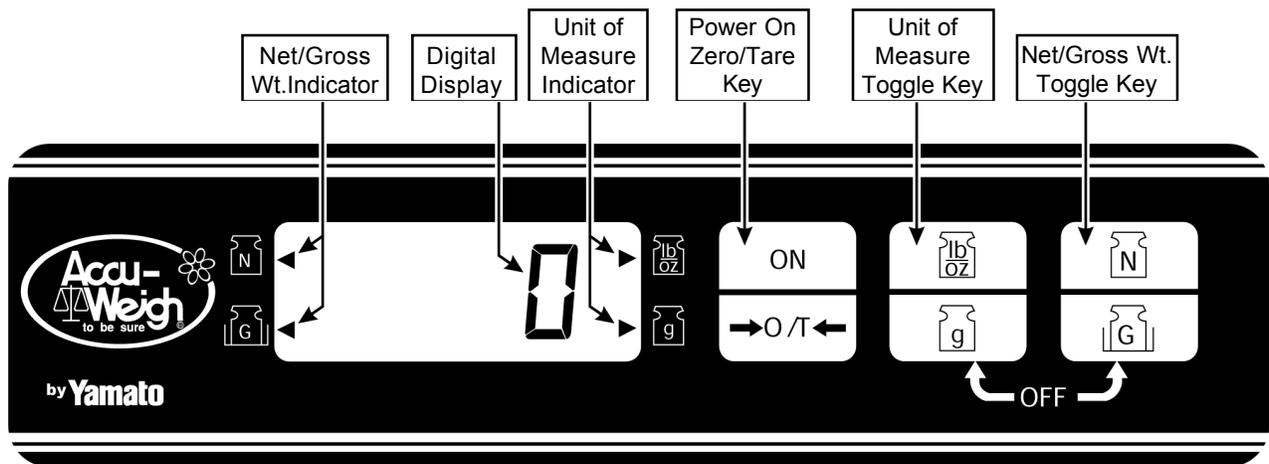
- 1) Do not push the indicator or keys with sharp objects. They may break or puncture the switch membrane panel.
- 2) Use the specified power supply and choose a suitable environment. If you do not, the weight readings may be inaccurate and the scale may be damaged.
- 3) The scale is a sensitive weighing instrument, avoid physical shocks. If you drop something on the scale, step on the platform, or drop it, the scale may be damaged and lose accuracy.
- 4) If the scale becomes dirty, wipe it with a soft cloth. For stubborn stains, apply a little neutral detergent and then wipe the scale with a dry cloth. Do not use thinner, benzene, hot water, or chemical agents, all of which can cause deformation, discoloration, or deterioration of the scale.
- 5) Never remove the case. The fine adjustment section may be damaged and you may be injured by sharp edges on the internal parts.
- 6) Do not place the scale upside down except when replacing the batteries.
- 7) When the low battery indicator appears, replace all of the batteries. When installing the batteries, install them according to the polarity markings in the case (+, -). If the scale will not be used for a long period, remove the batteries.
- 8) ALWAYS reconnect the AA battery holder when using the AC adaptor to prevent ELECTRICAL SHORTING.

To keep the scale working efficiently

- 1) Place the scale on a flat stable surface that will support the scale and the load.
- 2) Do not place the scale in an area exposed to direct sunlight or to wind currents from an air conditioner, otherwise, the weights will not be accurate.
- 3) Do not place the scale near machines that create vibrations or electromagnetic disturbance, such as microwave ovens, portable phones, or large motors. This will affect the accuracy.
- 4) The operating temperature range is from -10°C to $+40^{\circ}\text{C}$ (14°F to 104°F). Do not subject the scale to sudden temperature changes; allow the scale to adjust to the new temperature before use.
- 5) This scale is not waterproof or dustproof. Do not expose the scale to splashing water. Do not install the scale in an extremely humid or dusty environment.
- 6) Do not disassemble or modify the scale, you will void the warranty.

INTRODUCTION

It only takes a few minutes to learn how to use your new Accu-Weigh scale. Please read over the following instructions carefully. They will assist you in understanding the various controls and the operation of the Accu-Weigh SPC-2002 and SPC-5005 scales.



FEATURES AND CONTROLS

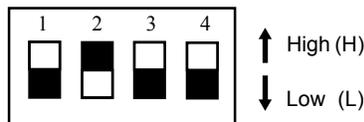
The SPC series scale has several controls:

- A. To turn on the scale, press the  key.
- B. To turn off the scale, press the  key and the  key simultaneously.
- C. The  key activates the tare function. When the  key is pressed the digital display will read "tare" before resetting to "0".
- D. The  key toggles between the two selected units of measure (lb-oz/g, lb/g or oz/g).
- E. Pressing the  key will toggle the display between gross weight and net weight.
- F. Automatic Shut-Off: When enabled, the scale will automatically shut off after two minutes of non-use (thirty seconds when zero is indicated on the digital display).

WEIGHING PROCEDURES

A. Set the scale to the desired measuring units:

1. Remove the rectangular plug at the rear of the scale to expose the four place dip switch shown below.



Example: Decimal lb / g mode with g displayed at power up, auto-off feature disabled.

a. Dip Switch functions:

Switch 1 and 2 select units of measure

1	2	Switch#
H	H	lb-oz / g
H	L	cont. oz / g
L	H	dec. lb / g
L	L	gram only

Switch 3 selects gram/lb-oz preference at power up

3	Switch#
H	lb/oz mode
L	gram mode

Switch 4 controls Auto-off feature

4	Switch#
H	disable auto-off
L	enable auto-off*

*The scale will shut off after 2 minutes of non-use.

2. Set the switches to the desired combination and replace the rectangular plug.

B. Gross Weighing

1. Remove any load from the scale platform.
2. Depress the  key to turn on the scale. The display will briefly show all digital segments (figure eights), then the scale will automatically reset to zero.
3. If the scale is already on, simply press the  key to reset the display to zero.
4. Place the item(s) to be weighed on the scale platform. The weight displayed will be the gross weight.

WEIGHING PROCEDURES

C. Net Weighing (with automatic tare)

1. Repeat steps 1 to 3 in Gross Weighing above.
2. Place a container on the platform and press the  key. The weight of the container (tare weight) will be deducted and the display will show zero.
3. Place the item(s) to be weighed in the container. The weight displayed will be the net weight.
4. Should you need to display the gross weight, press the  key. The weight displayed will be the gross weight. Press the  again to return to the tare weight display.
5. To clear the tare entry and return to zero, remove any load from the scale platform, and press the  key.

D. Batch Weighing (separate weighing of several items)

1. Repeat steps 1 to 3 in Gross Weighing above.
2. Place a container on the platform and press the  key. The weight of the container (tare weight) will be deducted and the display will show zero.
3. Place the first item in the container until the desired weight is reached. Press the  key.
4. Place the second item in the container until the desired weight is reached. Press the  key. Repeat steps 3 and 4 as needed.

MINOR TROUBLESHOOTING

If the scale is not operating correctly, ask the following questions:

Question	Correction
1. Is the scale level?	Make sure that all of the feet are resting firmly on the supporting surface.
2. Is the scale turned on?	If the scale does not work at all, press the  key. Repeat once or twice. If the Auto-off feature is enabled, the scale will automatically turn off if not used for two minutes (thirty seconds with a zero reading) to preserve battery life.
3. Is the maximum capacity being exceeded?	When the weight of the scale platform exceeds 105% of the capacity of the scale (4.5 lb or 2000 g for the SPC-2002 and 11.2 lb or 5000 g for the SPC-5005), "Err" will appear on the digital display. Reduce the load.
4. Is the movement of the scale restricted in any way?	Make sure that no foreign objects are wedged between the platform and the scale body. Verify that the platform is not rubbing against any surrounding objects.
5. Is the battery run down?	Remove the battery cover and install new 6 AA batteries.
6. Is the AC adapter installed correctly?	Ensure the AC adapter cord is securely affixed to the scale and to the wall outlet.

If these actions fail to correct the problem, the scale needs to be serviced by a qualified technician.

CAUTION: DO NOT ATTEMPT TO OPEN THE SCALE OR TAMPER WITH IT'S MECHANISM OR CIRCUITRY AS THIS WILL VOID ALL WARRANTY COVERAGE!