USER MANUAL

12/2025

Digital Portion Control Scales

Waterproof

334WPC10SS	334WPC30SS
10 lb.	**30 lb.**

Table of Contents

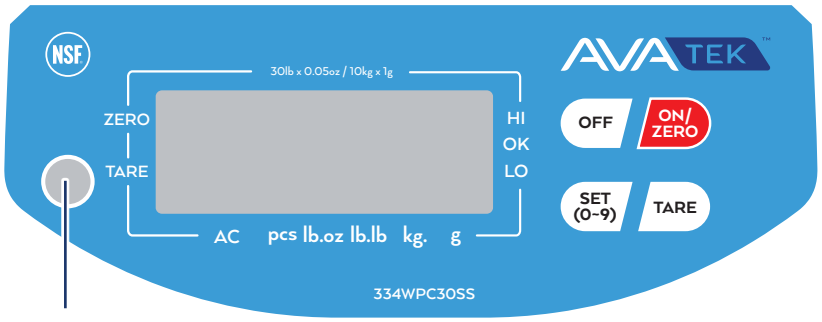
General & Safety Information

- Read and understand all operating instructions before using this product.
  Keep this manual for future reference.
- Don't use sharp objects to operate the keyboard. The waterproof membrane may become damaged.
- Record the weight shortly after loading the platform. After extended periods, the load cell's output signature may result in a less accurate reading.
- Place the scale on a hard, flat surface. Locate the leveling bubble and adjust the base feet as needed to ensure the scale is level before using.
- Avoid extended exposure to extreme heat or cold. Optimum operation is at normal room temperature. Allow the scale to acclimate to room temperature before using.
- Allow sufficient warm up time. Turn the scale on and allow up to 2 minutes for internal components to stabilize before weighing.
- Electronic scales are precision instruments. Do not operate near cell phones, radios, computers or other electronic devices that emit radio frequencies that may cause unstable readings. If the scale performs poorly, try moving to a different room or location.
- When storing the scale for extended periods, the battery must be charged every 90 days to avoid premature performance degradation. Over time, the operating time per charge will degrade. If the operating time is no longer acceptable, the battery must be replaced.
- Avoid using in heavy vibration or heavy airflow conditions.

Specifications

Model		334PZ10	334PZ60
Capacity / Division	lb.	13 lb. x 0.002 lb.	33 lb. x 0.005 lb.
	lb.:oz.	13 lb. x 0.05 oz.	33 lb. x 0.1 oz.
	kg	6 kg x 0.001 kg	15 kg x 0.002 kg
	g	6000 g x 1 g	15000 g x 2 g
Waterproof Rating		IP68	
Construction		Wash-down stainless steel housing, stainless steel platform	
Weighing Modes		lb.:oz. / lb. / pcs / kg / g	
Tare Range		100% max capacity	
Functions		Weighing, Counting, Checkweighing	
Operating Temp.		25 - 95°F (-5 to 35°C)	
Power		6V 2.3Ah Lead-acid rechargeable battery or AC power cord	
Platform Size		8 7/8" x 7" / 225 x 178mm (L x W)	

Function Keys & Display



Function Keys

Keys	Definition
ON/ZERO	If the scale is off: Turn the scale on. If the scale is on: Run zero procedure.
OFF	Turn the scale off.
SET (0-9)	If in Weighing mode: Enter Setup mode. If in Setup mode: Cycle through mode options.
TARE	Zero the platform weight.

Operation

Normal Weighing Mode

1. Place the scale on a flat, stable surface. Level the scale using the leveling bubble.
2. Power on the scale by pressing the **ON/ZERO** key. There will be an audible tone, the firmware version will be shown, and the display will count down from 9 to 0. When the ZERO light is lit, the scale is ready for use. If the ZERO light is not lit, press the **ON/ZERO** key again to zero the scale.
3. To change the weighing unit of measure, see User Setup instructions.
4. Set tare if desired.
5. Place objects on the scale platform and read the weight on the indicator.
6. When finished weighing, press the **OFF** key.
7. To save battery power, the scale has two power saving features:
   a. **Power Saving Mode:** The display will darken after 40 seconds with no weight on the platform, but the scale is not off. Adding weight to the platform will automatically turn the display back on.
   b. **Auto Off:** Scale will automatically turn off after 10 minutes with no key activity or weight change.

   NOTE: If the battery voltage falls below 5.6V, the scale will automatically power off.

Setting Tare Weight

1. Place an empty container on the platform and press the **TARE** key. The display will return to zero, eliminating the weight of the container. The ZERO light will go off and the TARE light will be lit.
2. Put the material or objects to be weighed in the container. The net weight will be displayed.
3. To exit tare mode, remove all weight from the scale. The display will show a negative weight. Press the **TARE** key to return the display to zero, eliminating the weight of the container. The TARE light will go off and the ZERO light will be lit. If the ZERO light is not lit, press the **ON/ZERO** key to zero the scale.

Checkweighing Mode

- The checkweighing or data compare function allows the user to input a pre-set range, and the display will indicate whether the weighed value is within that range, or indicate if it is too high or too low.

1. From normal weighing mode, press the **SET/0~9** key for 3 seconds to enter Setup mode.
2. Press and release the **SET/0~9** key to cycle through the parameters until "***RANGE***" is shown. Press the **TARE** key to confirm.
3. Press the **SET/0~9** key to until "***ON***" is shown. Press the **TARE** key to confirm.
4. The previously used lower limit value will be displayed with the first digit flashing and the Under light flashing. Enter the lower limit of the checkweighing range using the **SET/0~9** key to increase the flashing digit and the **TARE** key to accept a digit and move to the next position.

   NOTE: The decimal does not appear on the display when entering limit values, but the value should be entered as if it did appear. For example: A lower limit of 2.55 lb. should be entered as "***02550***" on the display.

5. The previously used upper limit value will be displayed with the first digit flashing and the Over light flashing. Enter the upper limit of the checkweighing range using the **SET/0~9** key to increase the flashing digit and the **TARE** key to accept a digit and move to the next position. After the last digit has been entered, the scale will return to weighing mode and checkweighing may begin.

   NOTE: The upper limit must be larger than lower limit. If it is not, "***OFF***" will be displayed and the scale will return to the normal weighing mode and checkweighing will be deactivated.

6. Place objects on the scale platform. The weight will be shown on the display. If the weight is within the specified range, the Accept light will be lit and an audible tone will sound. If the value is outside the specified range, the Over or Under light will be lit with no audible sound.

   NOTE: The audible tone parameter can be changed from its default within User Setup mode.

   NOTE: If the weight has not stabilized, no lights will be lit.

7. To turn off the checkweighing function, enter Setup mode following steps 1-3 above and change the setting to "***OFF***".

Counting Mode

- The counting function calculates and displays the piece quantity of the load that is being weighed.

1. From normal weighing mode, press the **SET/0~9** key for 3 seconds to enter Setup mode.
2. Press and release the **SET/0~9** key to cycle through the parameters until "***UNITS***" is shown. Press the **TARE** key to confirm.
3. Press the **SET/0~9** key to until "***pcs***" is displayed. Press the **TARE** key to confirm. The pcs light will be lit.
4. If a piece-quantity has been entered previously, it will be shown. If no sample-piece-weight exists in the scale's memory, the pcs light will flash. To use the existing sample-piece-quantity, skip to step 7 below to begin counting items. To enter a new sample-piece-quantity, follow steps 5 and 6.
5. While in counting mode, press and hold the **ON/ZERO** key until the word "***COUNT***" is displayed briefly, then the pcs light will flash and "***0***" will be displayed.
6. Place a known quantity of items on the scale platform and press the **TARE** key. "***00000***" will be displayed with the first zero digit flashing. Enter the quantity of items using the **SET/0~9** key to increase the flashing digit and the **TARE** key to accept a digit and move to the next position. After the last digit is entered, the scale calculates the piece-weight and displays the count on the scale.

   NOTE: Piece quantity must be between 1 and 30,000.

7. Begin weighing. The piece count will be displayed, but the weight will not.
8. To change the piece count, repeat steps 5 and 6.
9. To turn off the counting function, follow steps 1-3 above and change the setting from "***pcs***" to a unit of weight.

Adjusting LCD Brightness

1. From normal weighing mode, press the **SET/0~9** key for 3 seconds to enter Setup mode.
2. Press and release **SET/0~9** key till "***LU***" is displayed, the default setting of "***LU-2***" will be displayed. Press the **SET/0~9** key to choose from "***LU-1***" to "***LU-3***", "***LU-3***" is the brightest setting. "***LU-1***" is recommended to maximize battery life.
3. Press the **TARE** key to select and return to normal weighing mode.

Calibration Mode

- A standard calibration weight more than 15% of the scale's rated capacity is required.
- The calibration operation must be in kg or g.
- Make sure scale is in normal weighing mode, not counting mode.
- There is a seal on the underside of the scale. Removing the seal is necessary to perform a calibration, but doing so voids the manufacturer's original calibration.
- Turn the switch OFF after calibration has been successfully performed.

1. Power off the scale.
2. Turn the scale upside down, remove the seal, and use a small screwdriver to remove the two screws holding the calibration switch cover. Move the calibration switch to the ON position (toward the front of the scale).
3. Place the scale on stable, level surface and press the **ON/ZERO** key to turn the scale on.
4. After the self-check is complete, press **ON/ZERO** key and **SET/0~9** key till the scale beeps, the scale displays "***PcSH9***", press **TARE** key to confirm.
5. Now the scale displays the defaulted max. capacity of the scale, do not change it, press **TARE** key to confirm.
6. "***1P***" or "***3P***" will be displayed, press **SET/0~9** key to switch between ***1P*** and ***3P***, press **TARE** key to confirm. (***1P*** means 1-point calibration, ***3P*** means 3-point calibration)
7. **1P - One point calibration**
   a. Now the scale displays "***0***", load a weight (more than 15% FS) on the scale platter, it shows a inner code, when the code gets stable, press **TARE** key to confirm.
   b. "***c- 0***" will be displayed, remove the weight from the platter, press **TARE** key to confirm. Now calibration has been finished and scale will return to normal weighing mode.
8. **3P - Three points calibration**
   a. If ***3P*** is chosen, 1/3 max capacity will be displayed after **TARE** key is pressed. (For example, if the scale max capacity is 15kg, the 1/3 max capacity is 5kg)
   b. Load the corresponding weight on the scale platter, press **TARE** key to confirm.
   c. Now 2/3 max capacity will be displayed, put the corresponding weight on the platter, press **TARE** key to confirm.
   d. Full capacity weight will be displayed, put the corresponding weight on the platter, press **TARE** key to confirm.
9. "***c- 0***" will be displayed, remove the weight from the platter, press **TARE** key to confirm. Now calibration has been finished and scale will return to normal weighing mode.

   NOTE: If the display shows "***Err-0***" after power up, there is a problem with calibration. Repeat the calibration process.

Use Parameter Setup Mode

1. In normal weighing mode, press the **SET/0~9** key for 3 seconds to enter Setup mode.
2. Press the **SET/0~9** key to cycle through the parameter modes listed below.
3. To enter a parameter mode, press the **TARE** key.
4. Within a parameter mode, press the **SET/0~9** key to cycle through the options for that setting.
5. Press the **TARE** key to select the setting and to exit setup mode.

Parameter	Options	Factory Setting	Definition
RANGE Activate checkweighing function	ON OFF	OFF	ON = Activate the checkweighing function and enter range limits. OFF = Deactivate the checkweighing function.
UNITS Select the unit of measure	9 H9 Lb.Lb. Lb.Oz Pcs	Lb.Lb	9 = Grams H9 = Kilograms Lb.Lb. = Pounds Lb.Oz = Pounds / Ounces Pcs = Counting mode (piece count will be displayed, weight will not) NOTE: Calibration MUST be done in kg or g.
A- OFF Auto-off mode	N Y	Y	N = Auto-off mode disabled. Y = Auto-off after 10 minutes of no operation or weight change.
FILT Display response speed	FILT0 FILT1 FILT2 FILT3 FILT4	FILT3	FILT0 = No filter. FILT1 = 1 step to display. FILT2 = 3-4 steps to display. FILT3 = 6-8 steps to display. FILT4 = Display is fast. NOTE: End user do not change the factory defaulted setting.
ZERO Set auto-zero range	0.0D - 5.0D	1D	D = Readability (see specifications). NOTE: End user do not change the factory defaulted setting.
BUZZER Audible tone setting	ON OFF	ON	ON = Audible tone is on. OFF = Audible tone is off.
D Change divisions	0.5 1 2 5	1	NOTE: End user do not change the factory defaulted setting.
LU Backlight brightness mode	LU-1 LU-2 LU-3	LU-2	LU-1 = Low (save battery life) LU-2 = Med LU-3 = High
BL LCD backlight mode	AUTO CLOSE OPEN	AUTO	AUTO = Backlight auto-on. CLOSE = Backlight always off. OPEN = Backlight always on.
ON-RA Range of power on	15 - 100	100	15 = 15% 100 = 100% NOTE: End user do not change the factory defaulted setting.

Battery and Charging

- There are three battery indicators on the display:
  High = Battery voltage is greater than 6.3V.
  Mid = Battery voltage is between 6V and 6.3V.
  Low = Battery voltage is lower than 6V.
  NOTE: If the battery voltage falls below 5.6V, the scale will automatically power off.
- Power is supplied by an internal rechargeable 6V Ni-MH battery (3800 mAh). When "***-bAtLo-***" is displayed, the battery must be recharged. Plug in the AC power cord to recharge the battery. Full charging time is approximately 10-12 hours. The scale may continue to be used on AC power during charging.
- Battery life and recharge time will vary with use. Over time, the operating time per each full charge will degrade. If the operating time is no longer acceptable, the battery must be replaced. When storing the scale for extended periods, the battery must be charged every 90 days to avoid premature performance degradation.

Character Prompt Definitions

Parameter	Definition
DC x.xx	Battery voltage is x.xx volts.
------	Scale capacity has been exceeded. Reduce the weight on the platform.
P-OFF	Auto power off when battery voltage is low.
BATLO	Battery is low and should be charged soon.
C_END	Battery recharging is complete.
ERR-0	Scale has been overloaded. Remove weight, zero the scale, and try again. If error code persists, loadcell has been damaged. Loadcells are not replaceable by the user.
ERR01	CAL switch is OFF.
ERR02	Sample-weight is too small in counting mode.
ERR03	Weight used in calibration is too small.
ERR08	Chip error.
C_END	Battery charging is finished.