

AVAWEIGH

COMMERCIAL SCALES

USER MANUAL



IP68 Waterproof Digital Portion Control Scale

334WPC10SS
10 lb.

334WPC30SS
30 lb.

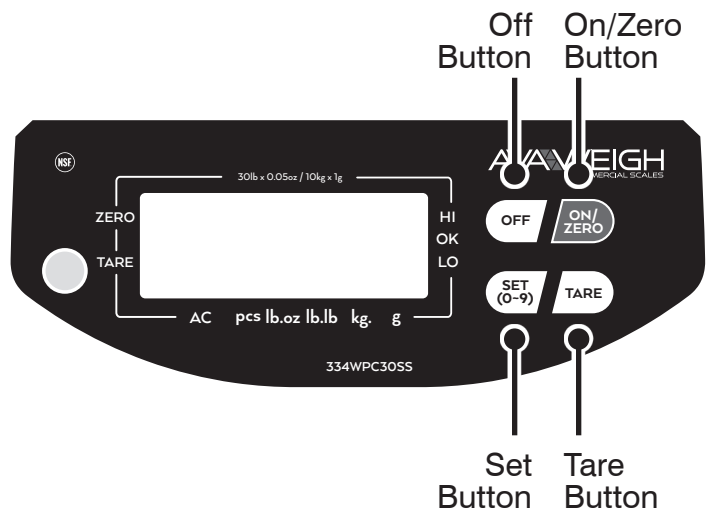
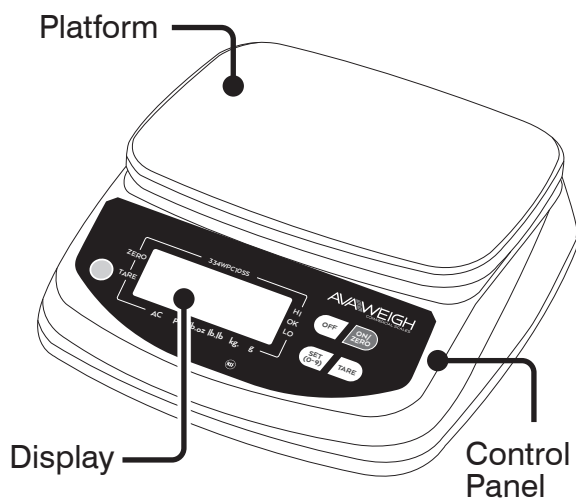
GENERAL INFORMATION

- 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

	334WPC10SS	334WPC30SS
MAX CAPACITY	LB unit: 13lb x 0.002lb LB:OZ unit: 13lb x 0.05oz KG unit: 6kg x 0.001kg G unit: 6000g x 1g	LB unit: 33lb x 0.005lb LB:OZ unit: 33lb x 0.1oz KG unit: 15kg x 0.002kg G unit: 15000g x 2g
WEIGHING MODES	lb:oz, lb, pcs, kg, g	
CONSTRUCTION	Wash-down stainless steel housing, stainless steel platform	
WATERPROOF RATING	IP68	
OPERATING TEMP.	25 - 95°F (-5 to 35°C)	
POWER	6V 2.3Ah Lead-acid rechargeable battery or AC power cord	
FUNCTIONS	Weighing, Counting, Checkweighing	
TARE RANGE	100% max capacity	
PLATFORM SIZE	176 x 222mm / 6.92" x 8.74" (L x W)	

DIAGRAM & CONTROL PANEL



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.
Note: 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.

CHECK WEIGHING MODE

The check weighing 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 pounds 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

Note:

- 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 void 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 one-point calibration, 3P means 3-point calibration)

7. 1P - One point calibration

7.1 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.

7.2. "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

8.1 If 3P is chose, 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)

8.2 Load the corresponding weight on the scale platter, press TARE key to confirm.

8.2 Now 2/3 max capacity will be displayed, put the corresponding weight on the platter, press TARE key to confirm.

8.3 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	DEFAULT	SETTING
<i>RANGE</i>	<i>OFF</i>	Activate checkweighing function: On= Activate the checkweighing function and enter range limits Off= Deactivate the checkweighing function
<i>UNITs</i>	<i>Lb.Lb</i>	Select the unit measure: g = g H9 = Kg 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
<i>A- OFF</i>	<i>Y</i>	Auto off mode: N = No auto power off Y = Auto off after 10 minutes of no operation or weight change
<i>FILT</i>	<i>FILT3</i>	Display response speed: (End user do not change the factory defaulted setting) Filt0 = No filter Filt1 = One step to display Filt2 = 3-4 steps to display Filt3 = 6-8 steps to display Filt4 = display is fast
<i>Zero</i>	<i>1d</i>	Set auto-zero range: (End user do not change the factory defaulted setting) 0.0 0.5d 1.0d 1.5d 2.0d 2.5d 3.0d 3.5d 4.0d 4.5d 5.0d Where "d" is the readability. See specifications

PARAMETER	DEFAULT	SETTING
<i>bU=Er</i>	<i>oN</i>	On = Audible tone is on Off = Audible tone is off
<i>d</i>		Change divisions: (End user do not change the factory defaulted setting) 0.5 1 2 5
<i>LU LU-2</i>		Set the LED or LCD backlight brightness mode (LED version has two levels of brightness, LCD version has three levels) LU-1 (save battery life) LU-2 LU-3
<i>bL AUto</i>		Set LCD backlight mode (only for LCD version scale) auto = backlight auto-on close = backlight always off open = backlight always on
<i>oN-rA 100</i>		Choose range of power on (End user do not change the factory defaulted setting) 15 = 15% 100 100%

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

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



AVAWEIGH LIMITED WARRANTY

AvaWeigh warrants its equipment to be free from defects in material and workmanship for a period of 1 year. This is the sole and exclusive warranty made by AvaWeigh covering your AvaWeigh brand equipment. A claim under this warranty must be made within **1 year** from the **date of purchase** of the equipment. Only the equipment's original purchaser may make a claim under this warranty. AvaWeigh reserves the right to approve or deny the repair or replacement of any part or repair request. The warranty is not transferable. AvaWeigh Equipment installed in/on a food truck or trailer will be limited to a period of **30 days** from the original date of purchase.

For Warranty Inquiries:

To obtain warranty information or make a claim against this warranty, please contact the location where you purchased the product.

- **www.WebstaurantStore.com**
Call 717-392-7472. You must have your order number ready when contacting.
- **The Restaurant Store**
Please contact your local store directly.
- **www.TheRestaurantStore.com**
Call 717-392-7261. You must have your order number ready when contacting.
- **Clark Food Service Equipment, PRO Marketplace, Hometown Provisions**
Please contact your account manager directly.
If you do not know your account manager, please call 717-392-7363 for CFSE and Pro Marketplace or 717-464-4165 for Hometown Provisions

Failure to contact the designated location prior to obtaining equipment service may void your warranty.

AvaWeigh makes no other warranties, express or implied, statutory or otherwise, and **HEREBY DISCLAIMS ALL**

IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE.

This Limited Warranty Does Not Cover:

- Equipment sold or used outside the Continental United States.
- AvaWeigh has the sole discretion on wearable parts not covered under warranty.
- Equipment not purchased directly from an authorized dealer.
- Equipment used for residential or other non-commercial purposes.
- Equipment that has been altered, modified, or repaired by anyone other than an authorized service agency.
- Equipment for which a valid purchase cannot be verified. Please have your order number or receipt, and serial number (if available) when making a claim.
- Damage or failure due to improper installation, improper utility connection or supply, and issues resulting from improper ventilation or airflow.
- Defects and damage due to improper maintenance, wear and tear, misuse, abuse, vandalism, or Act of God.

Any action for breach of this warranty must be commenced within 1 year of the date on which the breach occurred.

No modification of this warranty, or waiver of its terms, shall be effective unless approved in a writing signed by the parties. The laws of the Commonwealth of Pennsylvania shall govern this warranty and the parties' rights and duties under it. AvaWeigh shall not under any circumstances be liable for incidental or consequential damages of any kind, including but not limited to loss of profits.