



Pizza / Portion Scales with Wireless Digital Display



Standard			With Foot Tare Pedal		
334PZ10	334PZ30	334PZ60	334PZ10F	334PZ30F	334PZ60F
10 lb.	30 lb.	60 lb.	10 lb.	30 lb.	60 lb.

Table of Contents

General Safety Information	3
Specifications.....	3
Contents	4
Function Keys & Display	4
Operation.....	6
Parameter Setup.....	7
Calibration.....	8
Replace Indicator or Platform Base	9
Symbol Definitions	9
Troubleshooting	10

General & Safety Information



Risk of Electrical Shock: Disconnect all power sources before making cable connections to the scale platform or indicator.

- For use in dry environments only.
- Do not operate in hazardous areas.
- Read and understand all operating instructions before using this product. Keep this manual for future reference.
- Record the weight shortly after placing a load on the platform. After extended periods, the load cell's output signal may result in a less accurate reading.
- Place the scale on a hard, flat, and level surface before using.
- Avoid extended exposure to extreme heat or cold. Optimum operation is at normal room temperature. See operating temperature range in the specifications table. Allow the scale to acclimate to room temperature before using.
- 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.
- Avoid using in heavy vibration or heavy airflow conditions.

Specifications

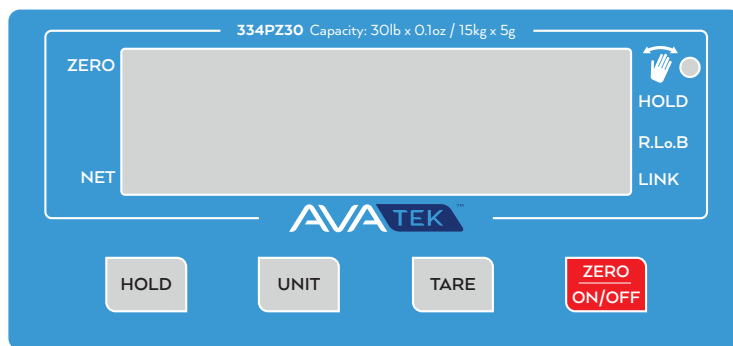
Model		334PZ10	334PZ30	334PZ60
Capacity / Division	oz.	176 oz. x 0.05 oz.	528 oz. x 0.1 oz.	1056 oz. x 0.2 oz.
	lb.	11 lb. x 0.005 lb.	33 lb. x 0.01 lb.	66 lb. x 0.02 lb.
	lb. : oz.	11 lb. : 0.0 oz. x 0.1 oz.	33 lb. : 0.0 oz. x 0.1 oz.	66 lb. : 0.0 oz. x 0.02 oz.
	kg	5 kg x 0.002 kg	15 kg x 0.005 kg	30 kg x 0.01 kg
	g	5,000 g x 2 g	15,000 g x 5 g	30,000 g x 10 g
Resolution		1 : 2500	1 : 3000	1 : 3000
Construction		ABS base, stainless steel platter		
Weighing Units		kg / g / lb. / oz. / lb. : oz.		
Display		5/8" (16mm) 7-segment LCD, 5 1/2 digits		
Zero Range		±20% of full capacity		
Tare Range		Full capacity		
Stabilization Time		<3 seconds		
Operating Temp.		40° to 105°F (5° to 40°C)		
Humidity Range		<90% relative humidity, non-condensing		
Power		Indicator: 4 x AAA Batteries or 9V 600mA adapter, center positive Platform base: 6 x AA Batteries or 9V 600mA adapter, center positive		
Interface		USB, for connecting with foot pedal only		
Max Overload		120% of capacity		
Base Dimensions		14" x 14" x 1 15/16" (L x W x H) 335 x 335 x 49mm (L x W x H)		

Contents

- Indicator
- DC9V 600mA Power Adapter
- Scale Platform
- Owner's Manual
- Foot Pedal
(Models 334PZ10F / 30F / 60F)



Function Keys & Display



Function Keys

Keys	Mode		Definition
HOLD	Weighing Mode		Enter or exits HOLD mode.
	Digit Mode		Shift the flashing data entry position from the left to right.
UNIT	Weighing Mode		Select weight unit of measure.
	Digit Input Mode		Increase the digit in the flashing data entry position by 1.
TARE	Weighing Mode		Tare the weight.
	Setup Mode		Confirm the input data and forwards to next step.
ZERO ON/OFF	Weighing Mode	<3 Seconds	Zero the platform weight.
		>3 Seconds	Power off scale.
	Digit input or Calibration mode		Exit to normal weighing mode.
HOLD + TARE	Normal weighing mode (<5 seconds)		Enter indicator and platform base pairing mode.
ZERO ON/OFF + TARE	Power off (>5 seconds)		Enter calibration mode.

Display

Display Message	Definition	Solid/Flashing	Meaning
ZERO	Scale is zeroed and gross weight is 0, tare is 0.	-	-
NET	Displays net weight, tare weight >0.	-	-
HOLD	Scale is in dynamic weighing mode	Flashing	Actual fluctuating weight is displayed.
		Not Flashing	Locked weight is displayed.
LINK	Wireless connection indication.	Flashing	Not connected.
		Not Flashing	Connected.
R.LoB	Low battery indication for scale platform.	-	-
Lo.Bat	Low battery indication for indicator display.	-	-
lb, kg, oz	Unit of measure.	-	-
	Light sensor to allow users to tare the scale with a hand wave.	-	-

Base Light Indication

Color	Flashing		Definition
Green	Slowly	1 flash every 2.5 seconds.	Bluetooth is connected.
	Quickly	2.5 flashes every 1 second.	Bluetooth is NOT connected.
Yellow	Slowly	1 flash every 2.5 seconds.	Bluetooth is connected, battery is low.
	Quickly	2.5 flashes every 1 second.	Bluetooth is NOT connected, battery is low.
Red	Slowly	1 flash every 2.5 seconds.	Something is wrong with bluetooth indicator display, scale cannot work.
	Quickly	2.5 flashes every 1 second.	Something is wrong with the scale platform and it cannot work.

Display Characters

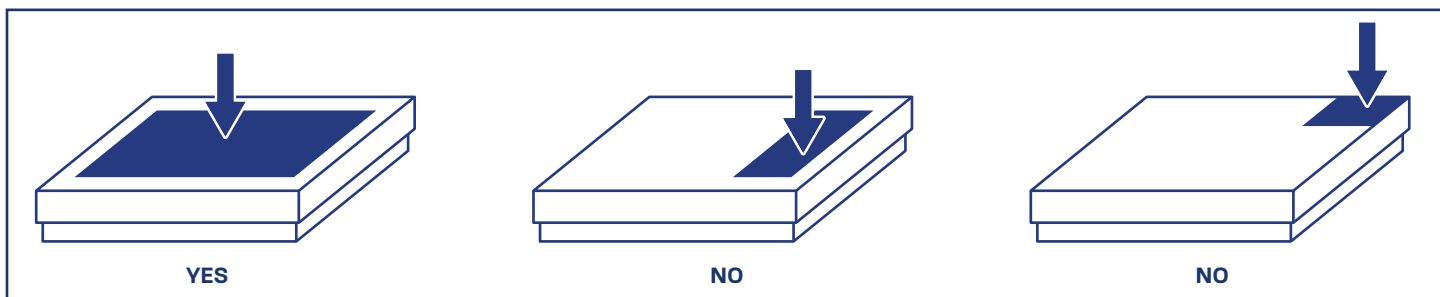
Digit	Symbol	Digit	Symbol	Digit	Symbol	Digit	Symbol	Digit	Symbol	Digit	Symbol
0		6		C		I		O		U	
1		7		D		J		P		V	
2		8		E		K		Q		W	
3		9		F		L		R		X	
4		A		G		M		S		Y	
5		B		H		N		T		Z	

Operation

Normal Weighing Mode

1. Power on the scale platform by pressing the power key on the side of the platform, power on the indicator by pressing the **ZERO | ON/OFF** key.
2. Now the light on the platform flashes, and the indicator displays "**LIK--**", meaning the indicator is connecting with the scale platform.
 - If connection is successful, the indicator will display "**CAP--**" and full capacity, then back to 0.
 - If connection is failed, the indicator will display "**NO.DE**", meaning it cannot find the matched platform.
3. When the display stabilizes with nothing on the platform, if the display does not show 0, press the **ZERO | ON/OFF** key to zero the reading. Zero range: ± 2 full capacity.
4. Place objects on the scale platform and read the weight on the indicator.

NOTE: Objects should be placed at the center of the platform. Corner or side loading heavy objects may risk overloading an individual load cell and damage the scale.



5. To change the weight unit of measure, press the **UNIT** key.
6. To hold the weight data, press the **HOLD** key.
7. Power off the scale by pressing and holding the **ZERO | ON/OFF** key for 4 seconds.

Setting A Tare Weight

1. Zero the scale as described above.
2. Place an empty container on the platform, press the **TARE** key. The display will return to zero, eliminating the weight of the container. The **NET** annunciator will be lit on the display.
3. Put the material or object weighted in the container. The net weight will be displayed.
4. 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.

Parameter Setup

- NOTE:** Parameter setting must be done when scale and indicator is connected.
- Under normal weighing mode, press and hold **UNIT** and **ZERO | ON/OFF** keys for more than 5 seconds to enter parameter setup mode.
 - During the setup mode, use **UNIT** key to change the selection, use **TARE** key to confirm, use **ZERO | ON/OFF** key to exit the mode.

Parameter	Options	Factory Setting	Definition
A.O.T. x Auto off time	0-9	5	0 = No auto power off. 1-9 = Auto power off after (1-9) minutes of no operation or weight changing.
P.T. x Wave tare sensitivity	0-8	5	0 = Wave tare is disabled. 1-8 = Sensitivity level (1 = close distance, 8 = long distance).
P.T.S. x Wave tare indication sound	0-1	1	0 = Mute 1 = Beep
K.S. x Push button sound	0-1	0	0 = Mute 1 = Beep
BLT. x LCD backlight	0-9	3	0 = Always off. 1 = Always on. 2-9 = Auto on when key operation or weight changing between (2-9)d, auto off after 15s elapsed.
HLM. HOLD mode	0-1	1	0 = Press HOLD key to hold the N.LD xx set weight. When HLD = 0, press HOLD key again to release the held weight. When HLD ≠ 0, auto exit hold mode after xx minutes (Set in HLD xx parameter). 1 = Press HOLD key to hold the weight. When HLD = 0, the scale will auto hold a new weight > N.LD after the scale is back to 0. When HLD ≠ 0, the scale will auto hold a new weight > N.LD and it's variation exceeds xx*10d (Set in HLD xx parameter).
HLD. xx Parameter to match HLM	00-99	00	When HLM parameter = 0, HLD refers to HOLD time, unit is minutes. When HLM parameter = 1, HLD refers to vibration range of data before holding a new weight.
N.LD xx Minimum weight that can be held	3-99	10	Unit is d. <3 = Weight will be forced forced to 3d.
D.A.T. xx Average data time for HOLD mode	3-30	10	If the data is not stable during the set time, then take the average weight to hold. <3 = Time will be forced to 3. >30 = Time will be forced to 30.

Calibration

- **NOTE:** Before calibrating the scale, you should prepare standard weights ($\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$, or 100% of full span capacity) for calibration.
 - **NOTE:** In the following steps, pressing **ZERO | ON/OFF** will exit calibration.
1. Under normal weighing mode, press and hold **TARE** and **ZERO | ON/OFF** keys for more than 5s to enter calibration mode.
 2. The indicator will show "**CAL-0**", which means the scale will begin to calibrate the zero point of the scale. Remove all weight from the scale. Press the **TARE** key to confirm. After receiving the reasonable zero-point data, the next step will automatically occur.
 3. When "**CAL.P1**" is displayed and then "**1-4.FS**" and "**kg**" or "**lb**" indicator flashes, press and hold **UNIT** key for more than 3s to choose the right weighing unit of the loaded CAL weight, short press **UNIT** key to choose the calibration weight value between "**1-4.FS**", "**1-3.FS**", "**1-2.FS**", "**2-3.FS**", "**3-4.FS**", and "**FS**" (which means $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$, or 100% of full capacity weight). Now load the corresponding weight onto the scale platform. When scale gets stable inner code, it will auto enter into next calibration point.
 4. When "**CAL.P2**" is displayed, and then "**1-2.FS**" flashes, load $\frac{1}{2}$ of full capacity weight onto the scale platform. When scale gets stable inner code, it will auto enter into next calibration point. Or press and hold **HOLD** key for more than 3s to skip "**CAL.P2**" to "**CAL.P4**", and go to last step.
 5. When "**CAL.P3**" is displayed, and then "**3-4.FS**" flashes load $\frac{3}{4}$ of full capacity weight onto the scale platform. When scale gets stable inner code, it will auto enter into next calibration point.
 6. When "**CAL.P4**" is displayed, and then "**FS**" flashes, load full capacity weight onto the scale platform. When scale gets stable inner code, it will auto enter into next calibration.
 7. When "**C.END**" displays for 2s, and displays the last calibration point weight, the calibration will be finished and automatically go back to normal mode.

Replace Indicator or Platform Base

- **NOTE:** If there are more than one 334PZ scales in the same room, power off all the other scale bases and indicators before matching a new indicator or base.
 - **NOTE:** Calibration needs to be performed if replacing a new scale base. Replacing indicator does not require new calibration.
1. Power on the scale base and indicator. Press and **HOLD** and **TARE** keys till the indicator shows "**PAIR**".
 2. Press **TARE** key to confirm, the indicator displays "**SCAN**", meaning the indicator is searching nearby device. About 5-10 seconds later, the indicator will show the MAC address of the Bluetooth module in nearby device. If no device was searched, the indicator will show "**NO.DEV**" then back to "**PAIR**".
 3. Press **UNIT** key to check whether more than one MAC address are searched, if yes, select one of the MAC addresses, press **TARE** key to confirm.
 4. If the indicator shows "**LKX.OK**" then shows "**C.xxxx**" it means the indicator successfully connect to a scale base. **xxxx** is the inner code of the scale base. Now press the scale base with your hand, if the **xxxx** value changes, this means the indicator is connected to the right base. Now press **TARE** key to confirm, then the indicator will show "**P.OK**" and back to "**PAIR**", now press **ZERO | ON/OFF** key to exit the mode, indicator and base pairing has been completed.
 5. If the **xxxx** value does not change when pressing the scale base, press **UNIT** or **HOLD** key to step back and choose another MAC address to connect.
 6. If the indicator displays "**LK.ERR**", it means a wrong device is selected, choose another MAC address to connect.

Symbol Definitions

- **NO.DEV** No nearby Bluetooth device available for connection.
- **LINK** Finding and available Bluetooth device.
- **BT.ERR** Something wrong on the Bluetooth devices.
- **BAT.LO** Battery is low.
- **PZ.ERR** Error in power-on zero point.
- **~~~~~** Overload

Troubleshooting

Symptom	Probable Cause	Remedy
Cannot power on	AC adapter is not connected securely	Re-plug the AC adapter or rotate the plug to securely connect it to the scale.
	Low battery	Replace the batteries.
	Indicator is damaged	Replace with a new indicator and perform calibration.
NO.DEV	Indicator cannot find its matched platform	1. Check that platform is powered on. 2. Re-match the indicator and the platform.
0-----	Weight reading exceeds or is below Power On Zero limit.	1. Ensure the scale platform is empty. 2. Perform zero calibration.
0-----	Indication is out of key zero range.	3. Reduce the weight on the platform until the indication is within the key zero range. 4. Check if an object is stuck between the load cell and scale base, remove if so.
ZP.ERR	Cannot get zero point.	1. Rematch the indicator and the platform. 2. Perform zero point calibration.
8-----	Weight reading exceeds overload limit or is below under load limit.	1. Reduce load on scale until the weight value is displayed. 2. Use a more appropriate unit of measure. 3. Perform zero calibration.
8-----	The weight value cannot be displayed in the current unit of measure because it exceeds 5 1/2 digits.	
CAL.ERR	Input data or loaded weight is too small, too big.	Input correct data, load correct weight onto platform.
	Weight signal is unstable, unlinear.	Return the scale for repair.
Cannot zero the display	Load on scale exceeds allowable limits (2%FS).	Remove load on scale.
	Load on scale is unstable.	Wait for load to become stable, then press the ZERO ON/OFF key to zero the display.
Weighting is not accurate	An object is stuck between load cell and scale base.	1. Remove the stuck object. 2. Perform linear calibration. 3. Put the weighing object on center position of the platform.
	Load cell received a heavy impact.	
R.LO.B or LO.BAT	Low battery.	Replace batteries.