



**Model WPB Series
Waterproof
Portion Scale
Owner's Manual**

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FCC COMPLIANCE STATEMENT

This equipment generates uses and can radiate radio frequency and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. The operation of this equipment in a residential area may cause interference in which case the user will be responsible to take whatever measures necessary to correct the interference.

You may find the booklet “How to Identify and Resolve Radio TV Interference Problems” prepared by the Federal Communications Commission helpful. It is available from the U.S. Government Printing Office, Washington, D.C. 20402. The stock No. is 001-000-00315-4.

PROPER DISPOSAL

When this device reaches the end of its useful life, it must be properly disposed of. It must not be disposed of as unsorted municipal waste. Within the European Union, this device should be returned to the distributor from where it was purchased for proper disposal. This is in accordance with EU Directive 2002/96/EC. Within North America, the device should be disposed of in accordance with the local laws regarding the disposal of waste electrical and electronic equipment.



It is everyone’s responsibility to help maintain the environment and to reduce the effects of hazardous substances contained in electrical and electronic equipment on human health. Please do your part by making certain that the device is properly disposed of. The symbol shown to the right indicates that this device must not be disposed of in unsorted municipal waste programs.



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Serial Number _____ Date of Purchase _____ Purchased Form _____ _____ _____ RETAIN THIS INFORMATION FOR FUTURE USE

PRECAUTIONS	
Before using this instrument, read this manual and pay special attention to all "WARNING" symbols:	
	
IMPORTANT	ELECTRICAL WARNING

INTRODUCTION

The Detecto Model WPB Series Waterproof Portion Scale has been designed with a high-quality stainless steel platform and base for use in environments where cleanliness is required. With an IP68 rating, cleanup can easily be performed by using wash-down procedures with complete confidence against damage to the scale.

This manual will guide you through the installation, and operation of your scale. Please read it thoroughly before attempting to operate this scale and keep it available for future reference.

This manual is for the following Model WPB Series Waterproof Portion Scales:

WPB-12, WPB-30, and WPB-65

SPECIFICATIONS

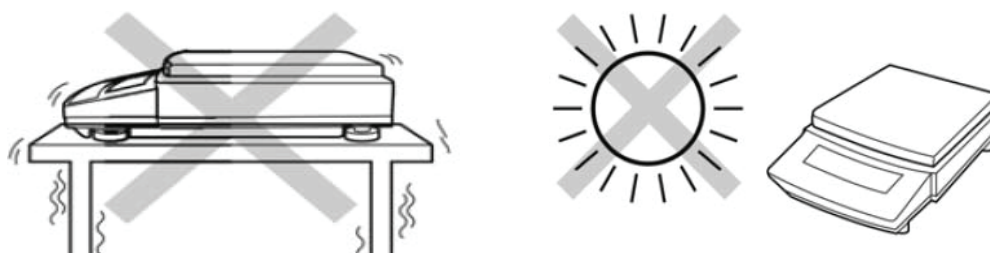
Model: WPB-12 WPB-30 WPB-65	Capacity and Division Value 3 kg x 1 g / 6 kg x 2 g (6 lb x 0.05 oz / 12 lb x 0.1 oz) 6 kg x 2 g / 15 kg x 5 g (12 lb x 0.1 oz / 30 lb x 0.2 oz) 15 kg x 5 g / 30 kg x 10 g (30 lb x 0.2 oz / 65 lb x 0.5 oz)
Weight Display:	Six-digit, seven segment LED, 0.56 inch (14 mm) high
Functions:	Dual Range Weight, Counting, Check Weighing
Keys:	ON/OFF, TARE, ZERO, CHECK WEIGHING
Power Requirements:	6V DC, 5 AH maintenance-free lead-acid battery or 120V AC 50/60Hz
Tare:	100% of scale capacity
Enclosure Type:	IP68 rated 304 stainless steel platform and base
Shipping Weight:	11.3 lb (5.1 kg)
Dimensions:	8.9 in W x 11.5 in D x 5.0 in H (227 mm W x 292 mm D x 128 mm H)
Platform Size:	8.7 in W x 7.1 in D (220 mm W x 180 mm D)
Temperature Range:	14° F to 104° F (-10° C to 40° C)
Approvals:	NTEP – Certificate of Conformance No. 20-048 OIML – R76/2006-A-DK2-2020.08 EU Type Approval – 0200-NAWI-08685

SITE PREPARATION REQUIREMENTS

The Model WPB Series Waterproof Portion Scale is a precision weight indicating instrument. As with any precision instrument, it requires an acceptable environment to operate at peak performance and reliability. This section is provided to assist you in obtaining such an environment.

Environmental

Place the scale on a stable, vibration-free level surface away from direct sunlight, and to provide adequate air circulation to keep the area around the scale clear.



Do not place the scale in locations with excessive temperatures and humidity. For example, directly in front of a heating or cooling vent, a fan, window, or any location with a moving air source. Such a location will subject it to sudden temperature changes, which may result in unstable weight readings.



Electrical Power

The Model WPB Series Waterproof Portion Scale has been designed to operate from 120V AC 50/60Hz with a US plug.

- The socket-outlet supplying power to the scale should be near the scale and should be easily accessible.
- Ensure that the scale has good, clean AC power and is properly grounded. In areas subject to lightning strikes, additional protection to minimize lightning damage, such as surge suppressors, should be installed.

Electrical Noise Interference

To prevent electrical noise interference, make certain all air conditioning and heating equipment, lighting, or other equipment with heavily inductive loads, are on circuits separate from the system. These sources of disturbances can affect the operation of the scale. Steps must be taken to prevent possible adverse effects on the scale. For example, using simple line filters, isolation transformers, power regulators, or uninterruptible power supplies.

INSTALLATION

Unpacking

Before beginning the installation of your Model WPB Series Waterproof Portion Scale, make certain the scale has been received in good condition. Carefully remove the scale from the shipping carton and inspect it for any evidence of damage (such as exterior dents or scratches) that may have taken place during shipment. Keep the carton and packing material for return shipment if it should become necessary. It is the responsibility of the purchaser to file all claims for any damages or losses incurred during transit.

Placement

Place the scale on a stable, vibration-free table, stand, or cart. Make certain the AC power cord is routed out of the way of normal traffic.



DO NOT place the scale on an unstable table, stand, or cart. The scale may fall causing injury to the operator, and seriously damage the unit, or proper operation of the scale may be inhibited.

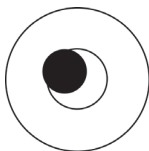
Level Adjustment

Referring to the image below, observe the bubble level located to the left of the display to make certain the scale is level.

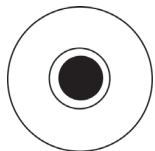


BUBBLE LEVEL

If the scale is not level (the bubble will not be centered), adjust all four (4) feet as required to center the bubble and attain a level scale. See the images below.



Not Level



Level



**Screw foot
in or out to
level scale.**

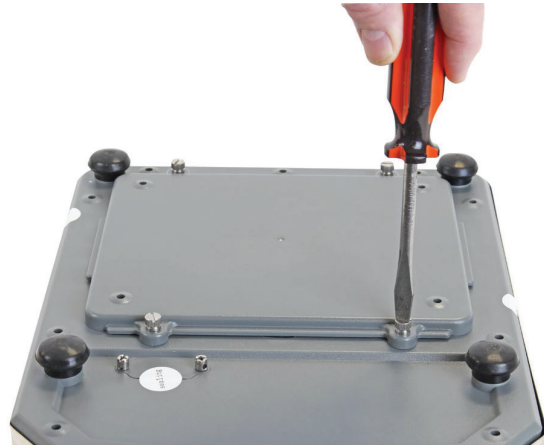
INSTALLATION, CONT.

AC Power Cord

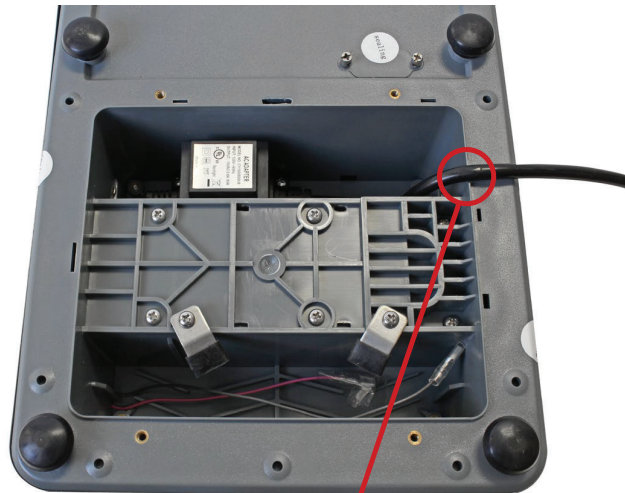
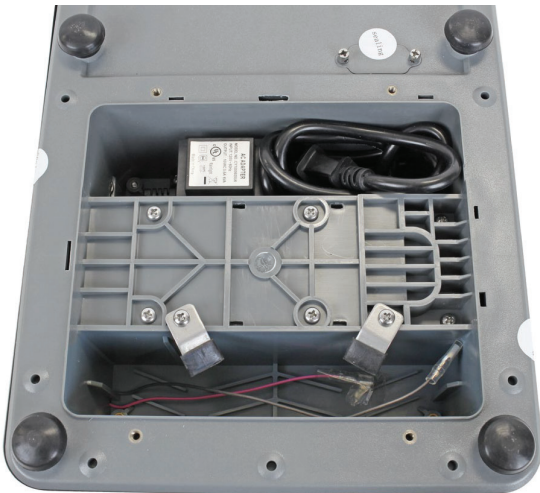
The AC power cord is stored in an opening located in the bottom of the scale.

To gain access to the power cord:

1. Turn the scale over so that the feet are facing up.
2. Locate and remove the four (4) screws securing the cover to the scale.

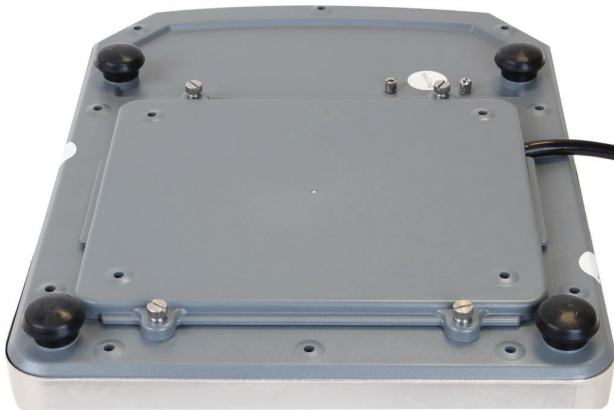


3. Remove the power cord from the opening and route it out the side of the scale, placing it in the notch of the opening.

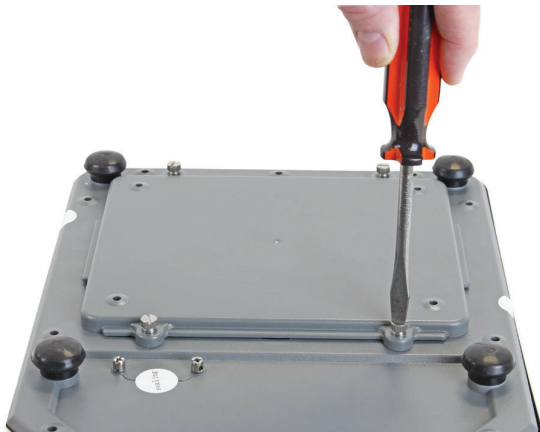


INSTALLATION, CONT.

4. Place the cover on the scale, making sure the notch in the cover is over the power cord.



5. Tighten the screws using a diagonal pattern to secure the cover to the scale.
6. Turn the scale right side up and plug the power cord into the proper electrical outlet.
7. The scale is now ready for operation.



Battery

The Model WPB Series Waterproof Portion Scale uses a 6V DC, 5 AH maintenance-free lead-acid battery, and can operate for up to 20 hours of continuous use with a fully charged battery.

Battery Charging

To recharge the battery, the AC power cord must be connected to an AC power outlet and plugged into the scale. It will take approximately 8 hours to fully recharge the battery in the scale. While the battery is charging the scale can still be operated.

Charging the battery for more than 8 hours *will not* damage it. Note that if the AC power cord is disconnected before the 8 hours, the scale will continue to charge the battery when the AC power cord is plugged back in.



DO NOT perform wash-down procedures while the AC power cord is plugged in to charge the battery.

DISPLAY LEDs

The display LEDs are turned on to indicate that the scale is in the mode corresponding to the LED or that the status indicated by the LED is active.



STABLE

This LED is turned on when the weight display is stable.

NET

This LED is turned on to indicate that the weight shown on the display is net weight and not gross or scale weight. Net weight is determined by subtracting the weight of a container from the gross or scale weight.

ZERO

This LED is turned on to indicate that the weight display is at center-of-zero.

kg

This LED is turned on to indicate that the displayed weight is in kilograms.

lb

This LED is turned on to indicate that the displayed weight is in pounds.

lb. oz

This LED is turned on to indicate that the displayed weight is in pounds and ounces.

R1

This LED is turned on to indicate that the displayed weight is in the first (lighter) weight range of the scale with higher precision graduations.

R2

This LED is turned on to indicate that the displayed weight is in the second (heavier) weight range of the scale with standard precision graduations.

AC

This LED is turned on to indicate the scale is being powered by AC power and not the rechargeable battery.

DISPLAY LEDS, CONT.

LowBat

This LED is turned on when the scale is powered by the rechargeable battery. When the rechargeable battery is near the point it needs to be recharged, this LED will begin to flicker. If the battery voltage drops too low for accurate weighing, the scale will display an error message *b - E r r*. When the battery error message is displayed, the operator should plug-in the AC power cord into the proper electrical outlet to recharge the battery.

NOTE: The following LEDs are only active when Check Weighing has been enabled.

Hi

This LED is turned on to signal that the weight is greater than the Upper Limit weight setting.

Ok

This LED is turned on to signal that the weight is within the acceptable target limits (between the Lower and the Upper Limit settings).

Lo

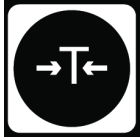
This LED is turned on to signal that the weight is less than the Lower Limit setting.

KEY FUNCTIONS

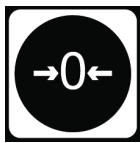


This is the **Power** key. Pressing this key will apply power to the scale and turn it on. The scale will perform a display test and then change to the weight display.

If the scale is already on, press and hold this key until the display shows $\square F F$, and then release it to turn the scale off.



1. This is the **TARE** key. It is used to tare (zero) the weight of a container (e.g., a pan or a box) up to the *full capacity* of the scale.
2. When setting the Check Weighing upper and lower limits, this key is used to change to the next digit or setting value.
3. During Configuration, this key is used to advance to the next prompt.
4. To enter Calibration^{*}, press and hold this key while powering on the scale.



1. This is the **ZERO** key. It is used to zero the weight display if the scale is not at zero. Note that up to a maximum of 2% of the scale capacity can be zeroed.
2. In Weighing Mode, press and hold this key for three (3) to change to an alternate weighing unit. Repeat this until the desired weighing unit is displayed (LED turns on).
3. When setting the Check Weighing upper and lower limits, press this key to begin entering the upper limit SET-H , (SET HI). After entering the upper limit, press this key to advance to the lower limit setting SET-Lo (SET Lo). Continue this until all limit settings have been entered, and then press this key to save the settings and return to the weighing mode.
4. During Calibration,^{*} this key is used to calibrate the Zero Point weight.



This is the **CHECK WEIGHING** key. It is used to perform several functions.

1. It is used to enable or disable the Check Weighing Function. Press it to enable the check weighing function. If the function is already enabled, pressing it will disable the check weighing function.
2. If the Check Weighing Function is enabled, pressing, and holding this key for three (3) seconds allows setting the Upper and Lower Limits for the check weighing function.
3. When setting the upper and lower limits, this key is used to move to the next digit position of the limit.
4. With the Check Weighing Function disabled, pressing, and holding this key for three (3) seconds enables scale Configuration.
5. During Configuration, this key is used to step through the selections when multiple values are available. For prompts with on and off, or yes and no selections, it is used to toggle between the selections.

^{*} **IMPORTANT!** Calibrating the scale requires certified test weights, breaking the calibration seal, and changing the setting of the calibration dip switch. To maintain the high degree of accuracy, only a qualified technician should calibrate the scale.

OPERATING INSTRUCTIONS



The membrane keypad is not to be operated with pointed objects (pencils, pens, fingernails, etc.). Damage to the keypad resulting from this practice will **NOT** be covered under warranty.

Turning the Scale On and Off

Press the **⏻** key to turn the scale on. The scale will perform a display test (turn on all segments and symbols, display 9999999 down to 1111111 with the beeper sounding), show the scale capacity, battery voltage, the software version momentarily, and then changes to the weight display.

To turn the scale off, press and hold the **⏻** key until the display shows **OFF**, and then release the key to turn the scale off.

Basic Weighing Operation

Place the item to be weighed on the tray, wait a moment for the display to stabilize, and then read the weight.

Zero the Weight Display

If the scale is not showing zero weight on the display, press the **→0←** key. The weight display will return to zero with the ZERO and STABLE LEDs turned on to indicate a stable, center-of-zero weight condition.

NOTE: The scale will zero the weight display until 2% of the scale capacity is reached.

Tare Operation

Place the container (e.g., a pan or a box) on the tray, allow the scale to stabilize, and then press the **→T←** key. The NET LED will turn on. Note that when removing the container from the tray, the scale will display negative weight.

Clear Tare Weight

To clear a tare weight, press the **→T←** key with the tray empty. This will reset the weight display to zero.




Change the Weighing Units

Press and hold the **→0←** key for three (3) seconds to change to an alternate weighing unit. Repeat this operation until the desired weighing units are displayed (LED turns on).



For example, if the scale is in kilograms (kg LED is on), pressing and holding the **→0←** key for three (3) seconds will change the weighing units to pounds (lb LED will turn on). Repeating this operation will change the weighing units to pounds and ounces (lb. oz LED will turn on). Performing the operation again will return the weighing units to kilograms (kg LED will turn on).

CHECK WEIGHING









The Model WPB Series Waterproof Portion Scale has a Check Weighing feature that allows you to set target weights to ensure that the items being weighed are within a specific acceptable weight range. Check Weighing must be enabled before you can set the upper and lower limits, and various other functions. Perform the following to enable check weighing:

1. If the scale is not on, press the  key to turn it on. *If the scale is on, skip to step 3.*
2. The scale will perform a display test and then change to the weight display.
3. Press the  key to enable check weighing.
4. The scale display will momentarily show  (CHECKING ON), to indicate the check weighing function has been enabled.









Setting the Upper and Lower Limit Weights

With the scale showing the weight display, press and hold the  key for three (3) seconds. The display will change to  (SET HI).

(SET HI) – Set the Upper (Hi) Limit

1. With the display showing  (SET HI), press the  key.
2. The display will change to show the current Upper limit with the first digit flashing.
3. If the current setting is acceptable, press the  key to save it and proceed to the lower limit setting,  (SET Lo).
4. If the current setting is not acceptable, use the  key to select a new value for the first digit, and then press the  key to proceed to the next digit position.
5. Repeat this operation until all digits for the upper limit has been entered, and then press the  key to save it and proceed to the lower limit setting,  (SET Lo).

(SET Lo) – Set the Lower (Lo) Limit

1. With the display showing  (SET Lo), press the  key.
2. The display will change to show the current Lower limit with the first digit flashing.
3. If the current setting is acceptable, press the  key to save it and proceed to  (SET Li).
4. If the current setting is not acceptable, use the  key to select a new value for the first digit, and then press the  key to proceed to the next digit position.
5. Repeat this operation until the setting for the lower limit has been entered, and then press the  key to save it and proceed to  (SET Li).

CHECK WEIGHING, CONT.

5E6-L (SET Li) – Set the Check Weighing Functions

1. With the display showing 5E6-L (SET Li), press the →0← key.
2. The display will change to show L 56-H (LiM-Hi).
3. If the current setting is acceptable, press the →0← key to save it and proceed to L 56-CK (LiM-Ck).
4. If the current setting is not acceptable, press the →T← key repeatedly to step through selections and select a new setting, and then press the →0← key to save it and proceed to L 56-CK (LiM-Ck).

Allowable settings for the check weighing functions are:

L 56-H (LiM-Hi)	If the weight on the scale is greater than the upper limit setting, the Hi LED will turn on and the beeper will sound.
L 56-Lo (LiM-Lo)	If the weight on the scale is lower than the lower limit setting, the Lo LED will turn on and the beeper will sound.
L 56-in (LiM-in)	If the weight on the scale is greater than the lower limit setting and less than the upper limit, the Ok LED will turn on and the beeper will sound.
L 56-Un (LiM-Un)	If the weight on the scale is lower than the lower limit setting, the Lo LED will turn on and the beeper will sound. Or If the weight on the scale is greater than the upper limit setting, the Hi LED will turn on and the beeper will sound.

L 56-CK (LiM-Ck) – Enable or Disable stable weight requirement for Check Weighing

1. With the display showing L 56-CK (LiM-Ck), press the →0← key.
2. The display will change to show L 56-St (LiM-St).
3. If the current setting is acceptable, press the →0← key to save it and proceed to L 56-BZ (LiM-BZ).
4. If the current setting is not acceptable, press the →T← key to toggle the selection, and then press the →0← key to save it and proceed to L 56-BZ (LiM-BZ).

Allowable settings for check weighing stable weight requirement are:

L 56-St (LiM-St)	Check Weighing requires stable weight.
L 56-US (LiM-US)	Check Weighing does not require stable weight.

CHECK WEIGHING, CONT.

LiM-BZ (LiM-BZ) – Enable or Disable Check Weighing Beeper

1. With the display showing LiM-BZ, press the $\rightarrow 0 \leftarrow$ key.
2. The display will change to show the current setting.
3. If the current setting is acceptable, press the $\rightarrow 0 \leftarrow$ key to save it and return to the weight display.
4. If the current setting is not acceptable, press the $\rightarrow T \leftarrow$ key to toggle the selection and then press the $\rightarrow 0 \leftarrow$ key to save it and return to the weight display.

Allowable settings for the check weighing beeper are:

LiM-BZ (LiM-BZ)	The beeper is enabled.
LiM-MU (LiM-MU)	The beeper is disabled (muted).

CHECK WEIGHING OPERATION

Check Weighing must be enabled before operations can begin. Perform the following to enable check weighing:

1. If the scale is not on, press the ϕ key to turn it on. *If the scale is on, skip to step 3.*
2. The scale will perform a display test and then change to the weight display.
3. Press the ☞ key to enable check weighing.
4. The scale display will momentarily show CHECKING ON , to indicate the check weighing function has been enabled.



NOTE: The functions of the LEDs and beeper are selected when setting the Upper and Lower limits. Refer to the SET Li – Set the Check Weighing Functions setting.

Items that are outside the weight range, (over or under) are identified by turning on an LED, **Hi** (for over) or **Lo** (for under) and if enabled, sounding the beeper. Items that are within the weight range (between the lower limit and upper limit settings) are identified by turning on the **Ok** (for acceptable) LED and if enabled, sounding the beeper.

Weight is Greater than Upper (Hi) Limit Setting

If LiM-Hi was selected, the **Hi** LED is turned on, and the scale will beep (until the weight is removed), to signal that the weight is greater than the Upper Limit weight setting.

Weight is Less than Lower (Lo) Limit Setting




If LiM-Lo was selected, the **Lo** LED is turned on, and the scale will beep (until the weight is removed), to signal that the weight is less than the Lower Limit weight setting.

Weight is Acceptable (Ok) Limits (between lower limit and upper limit settings)

If LiM-in was selected, the **Ok** LED will turn on, and the scale will beep (until the weight is removed), to signal that the weight is within the acceptable limits (greater than the lower limit setting and less than the upper limit setting).


CONFIGURATION

Enable Configuration

1. Press the  key to turn the scale on.
2. The scale will perform a display test and then change to the weight display.
3. Repeatedly press the  key until the scale display momentarily shows $\overline{C H - o F F}$ (CHECKING OFF), to indicate the check weighing function has been disabled.
4. With check weighing disabled and the scale showing the weight display, press and hold the  key for three (3) seconds.

The display will change to show the weighing display speed, $\zeta P E d - X$ (SPED-X) setting, where "X" is the current setting. Note that the factory default is $\zeta P E d - F$ (SPED F = fast).

$\zeta P E d$ - (Weighing Display Speed)

1. With the display showing $\zeta P E d$ - and the current setting, press the $\rightarrow T \leftarrow$ key if the setting is acceptable, and then proceed to the next prompt.
2. Otherwise, press the  key to step through the selections, and then press the $\rightarrow T \leftarrow$ key to save the new setting and proceed to the next prompt.


Allowable settings for the weighing display speed are:

$\zeta P E d - S$ (SPED-S = slow)

$\zeta P E d - M$ (SPED-M = medium)


$\zeta P E d - F$ (SPED F = fast)

$R \downarrow$ - (Anti-Shaking Function)

1. With the display showing $R \downarrow$ - and the current setting, press the $\rightarrow T \leftarrow$ key if the setting is acceptable, and then proceed to the next prompt.
2. Otherwise, press the  key to step through the settings, and then press the $\rightarrow T \leftarrow$ key to save the new setting and proceed to the next prompt.

Allowable settings for the anti-shaking function are 0 through 9 divisions.

$R P F$ - (Automatic Power Off)

1. With the display showing $R P F$ - and the current setting, press the $\rightarrow T \leftarrow$ key if the setting is acceptable, and then proceed to the next prompt.
2. Otherwise, press the  key to step through the selections, and then press the $\rightarrow T \leftarrow$ key to save the new setting and proceed to the next prompt.

Allowable settings for the automatic power off are:

0 = no power off

10 = 10 min. power off

20 = 20 min. power off

30 = 30 min. power off

60 = 60 min. power off

CONFIGURATION, CONT.

P_S - (Power Saving Mode)

1. With the display showing **P_S -** and the current setting, press the **→T←** key if the setting is acceptable, and then proceed to the next prompt.
2. Otherwise, press the **⏏** key to toggle the setting, and then press the **→T←** key to save it and proceed to the next prompt.

Allowable settings for the power saving mode are **ON** (ON) or **OFF** (OFF).

S_{AVE} - (Save Configuration Settings)

1. With the display showing **S_{AVE} -** and the current setting, press the **→T←** key if the setting is acceptable to save all the settings and return to the weight display.
2. Otherwise, press the **⏏** key to toggle the selection, and press the **→T←** key to save all the settings and return to the weight display.

Allowable settings for saving configuration settings are **NO** (NO) or **YES** (Yes).

SCALE CALIBRATION

Your Model WPB Series Waterproof Portion Scale was calibrated at the factory and should not require adjustment. If the scale should need re-calibration, the following describes the calibration procedure. To maintain the high degree of accuracy of the scale, a qualified technician should perform this function.



IMPORTANT! Kilogram test weights equal to 1/3, 2/3, or full capacity of the scale are required for calibration of the WPB Series scales.

1. With the scale turned off, turn it over so that the feet are facing up and locate the two (2) screws securing the calibration switch cover between the front feet. Refer to image below.



2. Remove the screws, and then remove the cover, breaking the calibration seal and exposing the calibration switch.
3. Move the calibration switch to the right as shown in the right image below.



4. Return the scale to the upright position.
5. Press and hold the $\rightarrow T \leftarrow$ key, and then press the ϕ key to turn the scale on.
6. The scale will perform a display test, and then change to show CRL on the display with all the LEDs turned on.
7. With the scale tray empty, press the $\rightarrow 0 \leftarrow$ key. This will set the zero weight of the scale.
8. The display will change to show C-PER momentarily, and then change to show SPAN .
9. Place a **kilogram** test weight equal to 1/3, 2/3, or full capacity on the scale tray.
10. The display will change to show $on 1$ (if test weight used is 1/3 capacity), $on 2$ (if test weight used is 2/3 capacity), or $on 3$ (if test weight used is full capacity), change to show PASS momentarily, and then count backward until the weight display is showing.
11. The calibration is complete. Remove the test weight from the tray, turn the scale over and replace the calibration switch cover securing it with the two (2) screws removed earlier.
12. Return the scale to the upright position and press the ϕ key to turn the scale on. The scale is ready for normal operation.

ERROR AND OPERATION DISPLAYS

The Model WPB Series Waterproof Portion Scale is equipped with diagnostic software that tests various portions of the scale's circuitry and verifies proper operation. Should a problem be detected, an error or status message will be displayed. The following lists these messages and their meaning.

Display	Possible Cause	Solution
<i>O-Load</i>	The load on the scale exceeds the capacity of the scale.	Remove the excess load on the scale tray.
<i>O-Pero</i>	The load on the scale exceeds the power-on capability.	Make sure nothing is on or touching the scale tray, then power the scale off and back on.
<i>b-Err</i>	The battery voltage has dropped too low for accurate weighing.	Plug-in the AC power cord into a proper electrical outlet to recharge the battery.

BEFORE YOU CALL FOR SERVICE

The Model WPB Series Waterproof Portion Scale has been designed to provide you with years of trouble-free operation. However, should you experience a problem, please refer to the troubleshooting guide below before you call for service. The following describes several types of problems along with suggested solutions.

Problem	Possible Solution
The scale does not turn on	<p>AC Operation</p> <ul style="list-style-type: none"> • Is the AC power cord fully inserted into the wall receptacle? • Check wall receptacle for proper AC power. Try another electrical appliance in the same receptacle. Does it work? • Check the circuit breaker. • Has there been a power failure? <p>Battery Operation</p> <ul style="list-style-type: none"> • The battery is discharged. Plug-in the AC power cord to charge the battery. Scale can be used while the battery is charging.
Incorrect weight is displayed	<ul style="list-style-type: none"> • Make sure nothing is touching the scale tray or if using a container, it is not touching an adjacent object. • Has the scale been placed on an unstable table, stand, or cart? • Make sure the scale is not near a cooling or heating vent, a fan, window, or in a location with a moving air source. • Have the proper operation procedures been followed? • Has the scale been calibrated?
Cannot calibrate the scale	<ul style="list-style-type: none"> • Make sure the scale is on a stable, vibration-free table, stand or cart. • Make sure the scale is not near a cooling or heating vent, a fan, window, or in a location with a moving air source. • Have the proper calibration procedures been followed?

CARE AND MAINTENANCE

The heart of the Model WPB Series Waterproof Portion Scale is a precision load cell located in the center of the scale base. It will provide accurate operation indefinitely if protected against the overload of scale capacity, dropping items on the scale, or other extreme shocks.

- **DO NOT** use acetone, thinner, or other volatile solvents for cleaning.
- **DO NOT** expose scale to direct sunlight or temperature extremes.
- **DO NOT** place the scale in front of heating/cooling vents.
- **DO NOT** clean the scale by submerging in a dishpan or placing in a dishwasher.
- **DO** clean the scale with a damp soft cloth and mild non-abrasive detergent.
- **DO** make sure the cover on the bottom of the scale is installed before performing wash-down procedures.
- **DO** remove the AC power before cleaning with a damp cloth or performing wash-down procedures.
- **DO** provide clean AC power and adequate protection against lightning damage.
- **DO** keep the surroundings clear to provide clean and adequate air circulation.



DO NOT perform wash-down procedures while the AC power cord is plugged in to charge the battery.

STATEMENT OF LIMITED WARRANTY

Detecto Scale warrants its equipment to be free from defects in material and workmanship as follows: Detecto warrants to the original purchaser only that it will repair or replace any part of equipment which is defective in material or workmanship for a period of two **(2) years from date of shipment**. Detecto shall be the sole judge of what constitutes a defect.

During the **first ninety (90) days** Detecto may choose to replace the product at no charge to the buyer upon inspection of the returned item.

After the first ninety (90) days, upon inspection of the returned item, Detecto will repair or replace it with a remanufactured product. The customer is responsible for paying for the freight both ways.

This warranty does not apply to peripheral equipment not manufactured by Detecto; this equipment will be covered by certain manufacturer's warranty only.

This warranty does not include replacement of expendable or consumable parts. This does not apply to any item which has deteriorated or damaged due to wear, accident, misuse, abuse, improper line voltage, overloading, theft, lightning, fire, water or acts of God, or due to extended storage or exposure while in purchaser's possession. This warranty does not apply to maintenance service. Purchased parts will have a ninety (90) day repair or replacement warranty only.

Detecto may require the suspect product to be returned to the factory; item(s) must be properly packed and shipping charges prepaid. A return authorization number must be obtained for all returns and marked on the outside of all returned packages. Detecto accepts no responsibility for loss or damage in transit.

STATEMENT OF LIMITED WARRANTY

Conditions Which Void Limited Warranty

This warranty shall not apply to equipment which:

- A.) Has been tampered with, defaced, mishandled, or has had repairs and modifications not authorized by Detecto.
- B.) Has had the serial number altered, defaced, or removed.
- C.) Has not been grounded according to Detecto's recommended procedure.

Freight Carrier Damage

Claims for equipment damaged in transit must be referred to the freight carrier in accordance with freight carrier regulations.

This warranty sets forth the extent of our liability for breach of any warranty or deficiency in connection with the sale or use of the product. Detecto will not be liable for consequential damages of any nature, including but not limited to, loss of profit, delays, or expenses, whether based on tort or contract. Detecto reserves the right to incorporate improvements in material and design without notice and is not obligated to incorporate improvements in equipment previously manufactured.

The foregoing is in lieu of all other warranties, express or implied including any warranty that extends beyond the description of the product including any warranty of merchantability or fitness for a particular purpose. This warranty covers only those Detecto products installed in the forty-eight (48) contiguous continental United States.



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