



**MODEL PS30**  
**DIGITAL PORTION SCALE**  
**OWNER'S MANUAL**

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## INTRODUCTION

Thank you for purchasing our Detecto Model PS30 Digital Portion Scale. This manual will guide you through installation, and operation of your scale. Please read it thoroughly before attempting to operate this scale and keep it handy for future reference.

### 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 designed within the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules to provide reasonable protection against such interference when operated in a commercial environment. 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. Request stock No. 001-000-00315-4.

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<b>Serial Number</b> _____ <b>Date of Purchase</b> _____ <b>Purchased Form</b> _____ _____ _____ <p style="text-align: center;">RETAIN THIS INFORMATION FOR FUTURE USE</p>
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## SPECIFICATIONS

Weight Display:	1.0 inch backlit LCD, 5 Digit with fraction
Dimensions:	11.22" W x 10.03" D x 3.54" H (285mm x 255mm x 90mm)
Platform Size:	9.44" W x 7.28" D (240mm x 185mm)
Zero:	Established on power up routine and maintained by auto-zero circuitry.
Power:	4 AA Alkaline cells OR 9-15VDC, 100mA wall plug-in UL/CSA listed power supply
Tare:	100% of full scale capacity
Temperature:	40° to 95°F (5° to 35°C)
Humidity:	15% ~85% RH
Capacity:	0-15 lb x 0.1 oz 5-30 lb x 0.2oz 0-6 kg x 2 g 6-15 kg x 5 g
Keys:	ON/OFF, HOLD, UNIT, TARE/BACKLIGHT
Features:	Low battery indicator, Power saving selectable timing auto shut-off

<b>PRECAUTIONS</b>	
Before using this scale, read this manual and pay special attention to all "NOTIFICATION" symbols:	
	
<b>IMPORTANT</b>	<b>ELECTRICAL WARNING</b>

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# INSTALLATION

## UNPACKING

Before beginning installation of your scale, make certain the instrument has been received in good condition. When removing the scale from its packing, inspect it for signs of damage, such as exterior dents and scratches. 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 loss incurred during transit.

1. Remove the scale from the shipping carton and inspect it for any signs of damage.
2. Plug-in the 9-15VDC adapter or insert four (4) AA Alkaline batteries to use the scale.
3. Place the scale on a flat level surface, such as a table or bench.
4. The scale is now ready for use.

## POWER SUPPLY

To apply power to the scale using the supplied 9-15VDC, 100 mA power supply, insert the plug from the power supply cable into the power jack on the back of the scale and then plug power supply into the proper electrical outlet. The scale is now ready for operation.



## BATTERY

The scale can use four (4) AA size batteries (*not included*). If you wish to operate the scale from batteries, you must first obtain and install the batteries. Access is via a removable cover on the bottom of the scale.

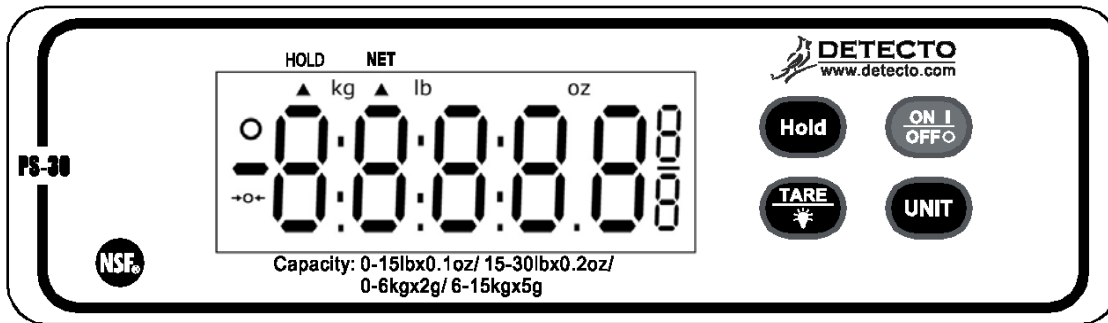
### Battery Installation/Replacement

1. Turn scale over so that display is facing down and place it upside down on a flat level surface, such as a table or bench.
2. Locate battery cover on bottom of scale and loosen two plastic captive screws.



3. Remove battery cover (lift straight up and slide it out) exposing battery holder.
4. If installing new batteries, proceed to step 5. If replacing batteries, remove all 4 batteries from battery holder and then proceed to step 5.
5. Install 4 new "AA" size batteries in battery holder, noting polarity markings as shown above.
6. After placing all 4 batteries in holder, replace battery cover on scale. Slide tabs on battery cover into cover slots, press down on cover and tighten two plastic captive screws loosen in step 2.
7. Turn scale over (display facing up) and press **ON/OFF** key.
8. If display turns on, batteries have been installed correctly. If not, remove battery cover and check for one or more improperly positioned batteries.

# DISPLAY ANNUNCIATORS



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



The  $\bigcirc$  annunciator is turned on when the weight display is stable.



Indicates scale is at center of zero.

**lb**

The lb annunciator is turned on to indicate that the displayed weight is in pounds.

**oz**

The oz annunciator is turned on to indicate that the displayed weight is in ounces.

**lb/oz**

Both the lb and oz annunciators are turned on to indicate that the displayed weight is in pounds and ounces.

**lb/oz 1/8**

The lb/oz 1/8 annunciator is turned on to indicate that the displayed weight is in 1/8 ounce.

**kg**

The kg annunciator is turned on to indicate that the displayed weight is in kilograms.

**HOLD**

The HOLD annunciator indicates the weight display hold function is activated.

**NET**

Activated with the TARE function, the NET annunciator indicates that the displayed weight is the net weight on the scale.

**LoBAt (LOW BATTERY)**

When the batteries are near the point they need to be replaced, a low battery indicator on the display will turn on. If the battery voltage drops too low for accurate weighing, the scale will automatically shut off and you will be unable to turn it back on. When the low battery indicator is displayed, the operator should replace the batteries or remove the batteries and plug-in the 9-15VDC adapter.

# KEY FUNCTIONS

## HOLD

1. Press once to hold the displayed weight.
2. Press again to return display to normal weighing mode.

## ON/OFF

1. Press and release to turn on scale.
2. Press and release to turn the scale off.

## TARE

1. Press to reset the display to zero up to 100% of the scale capacity.
2. Press to confirm the setting for each menu.
3. Setting backlight function ON or OFF.


## UNIT

1. Press to change the weighing units to the alternate units of measurement (if selected during configuration of the scale).
2. Press 6 times while holding **ON/OFF** key to enter Configuration mode.
3. Press to select menu in the Configuration mode.

# OPERATION

## TURN THE SCALE ON

Press the **ON/OFF** key to turn the scale on.

The scale will display  then change to the selected weighing units.

## SELECT THE WEIGHING UNIT

Press the **UNIT** key to alternate between weighing units.

## WEIGH

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

## TO RE-ZERO THE WEIGHT DISPLAY

To re-ZERO (tare) the weight display, press the **TARE** key and continue. The scale will re-ZERO (tare) until the full capacity is reached.



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

# CONFIGURATION

The Scale has been pre-configured at the factory and should not require configuration for use in most applications. In the event that the factory settings do not meet the requirements of your application, the following describes the steps to configure the scale.

## TO BEGIN CONFIGURATION:

1. While holding the **ON/OFF** key, press the **TARE** key 3 times and then release the **ON/OFF** key.
2. The display will change to show **5E6**, the software revision level and then change to **Unit**.

## Unit (WEIGHING UNITS)

To select “kg” (kilogram only) weighing units

1. With the display showing **Unit**, press the **TARE** key. The display will change to show “kg”.
2. Press the **TARE** key to display kg status.
3. Press the **UNIT** key to toggle between:  
Enable (display will change to **On**) or  
Disable (display will change to **OFF**).
4. Press the **TARE** key and then the **UNIT** key 5 times. The display will change to **Unit**.
5. Proceed to **OFF** (AUTOMATIC SHUTOFF).

To select “lb” (pounds only) weighing units:

1. With the display showing **Unit**, press the **TARE** key and then **UNIT** key. The display will change to show “lb”.
2. Press **TARE** key to display lb status.
3. Press the **UNIT** key to toggle between:  
Enable (display will change to **On**) or  
Disable (display will change to **OFF**).
4. Press the **TARE** key and then the **UNIT** key 4 times. The display will change to **Unit**.
5. Proceed to **OFF** (AUTOMATIC SHUTOFF).

To select “OZ” (ounce only) weighing units

1. With the display showing **Unit**, press the **TARE** key and then the **UNIT** key 2 times. The display will change to show “OZ”.
2. Press the **TARE** key to display OZ status.
3. Press the **UNIT** key to toggle between:  
Enable (display will change to **On**) or  
Disable (display will change to **OFF**).
4. Press the **TARE** key and then the **UNIT** key 3 times. The display will change to **Unit**.
5. Proceed to **OFF** (AUTOMATIC SHUTOFF).



## CONFIGURATION, CONT.

To select "lb/OZ" (pounds/ounce) weighing units:

1. With the display showing **Unit**, press the **TARE** key and then the **UNIT** key 3 times.  
The display will change to show both "lb" and "OZ".
2. Press **TARE** key to display lb/OZ status.
3. Press the **UNIT** key to toggle between:  
Enable (display will change to **On**) or  
Disable (display will change to **OFF**).
4. Press the **TARE** key and then the **UNIT** key 2 times. The display will change to **Unit**.
5. Proceed to **ROFF** (AUTOMATIC SHUTOFF).

To select "lb/OZ 1/8" (pounds/ounce 1/8) weighing units:

1. With the display showing **Unit**, press the **TARE** key and then the **UNIT** key 4 times.  
The display will change to show both "lb", "OZ" and "1/8".
2. Press **TARE** key to display lb/OZ 1/8 status.
3. Press the **UNIT** key to toggle between:  
Enable (display will change to **On**) or  
Disable (display will change to **OFF**).
4. Press the **TARE** key and then the **UNIT** key. The display will change to **Unit**.
5. Proceed to **ROFF** (AUTOMATIC SHUTOFF).

### **ROFF (AUTOMATIC SHUTOFF)**

1. With the display showing **Unit**, press the **UNIT** key. The display will change to show **ROFF**.
2. Press the **TARE** key to begin selection of the automatic shut-off time (in seconds). The display will change to show **120 S**.
3. Press the **UNIT** key to toggle through the selections;  
*120 S, 180 S, 240 S, 300 S, or OFF.*
4. When the desired time is displayed, press the **TARE** key. The display will change to show **ROFF**.
5. Proceed to **CRP** (CAPACITY).

### **CRP (CAPACITY)**

1. With the display showing **ROFF**, press the **UNIT** key. The display will change to show **CRP**.
2. Press the **TARE** key to begin selection of the scale capacity. The display will change to show **15.0059**.
3. Press the **UNIT** key to toggle through the selections;  
*1002g, 3001g, 5005g, 5001g,  
10005kg, 15005kg, 3001kg,  
60.1kg, 120.1kg, 150.1kg, 180.1kg.*
4. When the desired capacity is displayed, press the **TARE** key. The display will change to show **CRP**.
5. Proceed to **BUZZ** (BUZZER).

## CONFIGURATION, CONT.

### *bUrr* *gBUFR0*

1. With the display showing **[CRP]**, press the **UNIT** key. The display will change to show **[bUrr]**.
2. Press **TARE** key to display the ON
3. Press the **UNIT** key to toggle between:  
Enable (display will change to **[On]**) or  
Disable (display will change to **[OFF]**).
4. When the desired setting is displayed, press **TARE** key. The display will change to show **[bUrr]**.
5. Proceed to *RrRnG* **gMULT-RANGE0**.

### *RrRnG* (MULT-RANGE)

1. With the display showing **[CRP]**, press the **UNIT** key. The display will change to show **[RrRnG]**.
2. Press **TARE** key to display the ON status.
3. Press the **UNIT** key to toggle between:  
Enable (display will change to **[On]**) or  
Disable (display will change to **[OFF]**).
4. Press the **TARE** key. The display will change to **[RrRnG]**.
5. Proceed to *HrRnG* (HOLD RANGE).

### *HrRnG* (HOLD RANGE)

1. With the display showing **[RrRnG]**, press the **UNIT** key. The display will change to show **[HrRnG]**.
2. Press **TARE** key to display the 1d status.
3. Press the **UNIT** key to toggle through the selections;  
*1d, 5d, 10d, 15d.*
4. When the desired setting is displayed, press the **TARE** key. The display will change to show **[HrRnG]**.
5. Proceed to **[End]**(END).

### *End* (CONFIGURATION COMPLETE)

1. With the display showing **[HrRnG]**, press the **UNIT** key. The display will change to show **[End]**.
2. Press **TARE** key to save the settings.
3. The scale will reset and return to the normal operating mode.
4. Configuration is complete.

## DISPLAY MESSAGES

DISPLAY	MEANING
<i>LobAt</i>	Low battery indication. Replace batteries or use AC adapter
<i>Err</i>	Total load exceeds maximum scale capacity.
<i>ErrL</i>	Load cell signal too low.

## CARE AND MAINTENANCE

The heart of the PS30 Digital Portion Scale is a precision load cell located in the center of the scale base. It will provide accurate operation indefinitely if protected against overload of scale capacity, dropping items on scale, or other extreme shock.

- **DO NOT** submerge the scale in water, pour or spray water directly on it.
- **DO NOT** use acetone, thinner or other volatile solvents for cleaning.
- **DO NOT** expose scale to direct sunlight or temperature extremes.
- **DO NOT** place scale in front of heating/cooling vents.
- **DO** clean the scale with a damp soft cloth and mild non-abrasive detergent.
- **DO** remove power before cleaning with a damp cloth.
- **DO** provide clean AC power and adequate protection against lightning damage.
- **DO** keep the surroundings clear to provide clean and adequate air circulation.

