

# PS40

## PRICE COMPUTING SCALE

### USER INSTRUCTIONS



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# INSTALLATION

## Unpacking and Assembly

Immediately after unpacking the scale, check for possible shipping damage. If the scale is found to be damaged, save the packaging material and contact the carrier within 15 days of delivery.

Prior to installation, test the electrical service to make sure it agrees with the specifications on the data plate located on the left side of the scale. The 12 volt DC current is supplied by the battery or the AC adapter; the AC adapter requires a standard 120 volt AC outlet.

Remove the protective film cover from the platter and from the customer and operator displays. Install the platter. The prongs underneath the platter must fit securely in the holes provided. Make sure that the scale is placed securely on a flat and level surface.

Do not operate the scale until you have read the instructions provided.

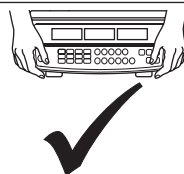
## Radio Interference

This scale is a class A device. In a domestic environment, this device may cause radio interference in which case the user may be required to take adequate preventive measures.

### Handling

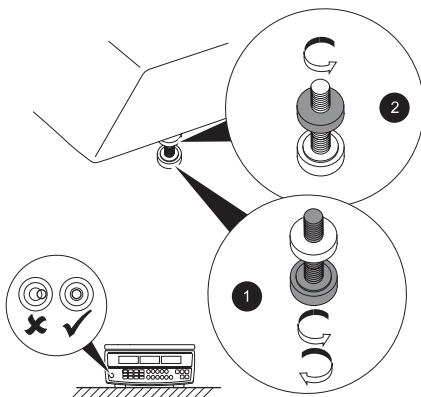
Do not lift the scale from the platter.

Lift the scale with both hands holding the base.



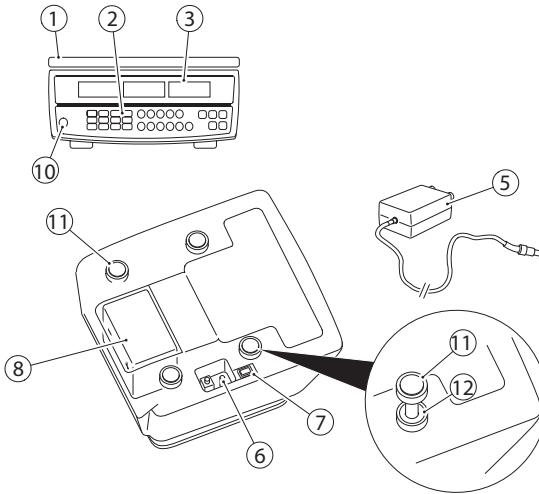
### Leveling

The level indicator on the front of the scale must be centered. To adjust, loosen the locking nuts and then adjust the feet under the base. Tighten the locking nuts after the scale is level. Leveling is required by Weights & Measures.



# Components

1	Scale platter	7	On - Off switch
2	Keypad	8	Battery cover
3	Operator display	9	Rechargeable battery (under 8)
4	Customer display (not shown)	10	Leveling bubble
5	AC adapter	11	Leveling feet
6	DC connector on scale	12	Locking nut for leveling feet



## Connections

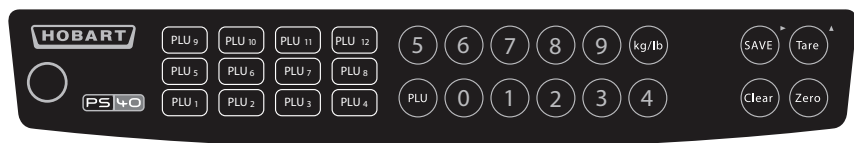
The AC adapter should be connected to a 120 volt receptacle protected by a 15 Amp. circuit breaker or fuse (the transformer converts 120 volts AC to 12 volts DC). Connect the 12 volt DC connector on the other end of the power cord to the mating part under the scale. A rechargeable battery must be installed in the proper location and must be re-charged when needed (refer to page 10).

## Switching On & Off

The on-off switch is located underneath the scale on the right side.

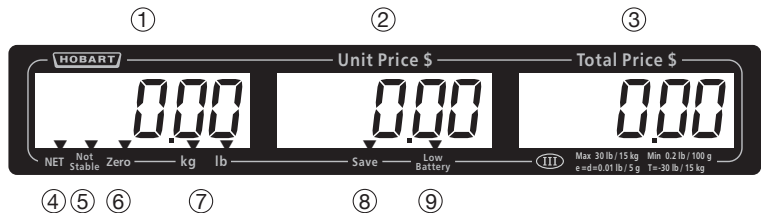


# Operator Keypad



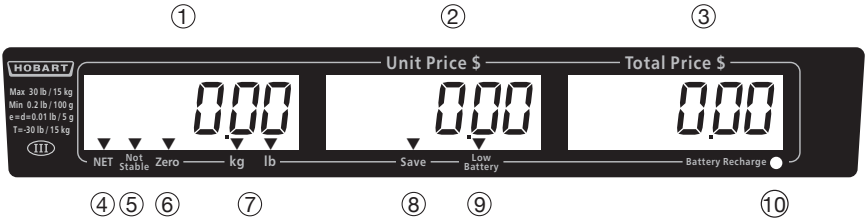
<b>0</b> to <b>9</b>	Number keys	Allow you to enter numeric data such as the unit price, for an individual PLU.
<b>SAVE</b>	Save key & menu navigation key	Saves a weight or price that you entered until you cancel it. Also scrolls through the menu options.
<b>Tare</b>	Tare key & menu option key	Enter and clear tare weights to subtract the container weight. Also allows selection of a menu option.
<b>Zero</b>	Zero key	Manually re-zeros the scale, returning both unit price and total weight to zero.
<b>Clear</b>	Clear key	Clears incorrect entries and/or error conditions.
<b>PLU</b>	Enter PLU key	Allows you to recall or enter Unit Weight and Price for up to 38 PLUs numbered PLU13 to PLU50.
<b>PLU1</b> to <b>PLU12</b>	Select speedkey	Recalls the Unit Weight and Price set for the 12 speedkeys, PLU1 – PLU12.
<b>kg/lb</b>	Unit Weight (kg / lb) inactive key	An arrow in the display indicates the weight units; the default setting for the USA is <b>lb</b> only. To change from <b>lb</b> to <b>kg</b> or vice versa would require a fee-based Hobart service call.

# Customer Display



Indicators 1 - 9 are described on page 5.

# Operator Display & Indicators



1	Weight display	Shows the gross weight or the net weight of the item on the platter (refer to Net Weight indicator).
2	Unit Price display	Shows the unit price of the item.
3	Total Price display	Shows the total price of the item.
4	Net Weight indicator	An arrow above NET indicates that a tare weight has been subtracted.
5	Not Stable indicator	An arrow above Not Stable indicates that the item weight is not stable.
6	Zero indicator	An arrow above Zero indicates the scale is at zero.
7	Unit Weight indicator	An arrow above kg or lb indicates the unit of weight (preset for lb in the USA and kg in Canada).
8	Save indicator	An arrow above Save indicates the Save key was pressed. Unit weight and unit price will not clear automatically.
9	Low Battery indicator	An arrow above Low Battery indicates that the battery needs to be recharged.
10	Battery Recharge indicator	Red indicates that the battery is charging. Green indicates that the battery is OK.

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## OPERATION

### Initial Countdown Routine

1. Make sure the platter is clear and sets flat on the scale.
2. With nothing on the scale platter, turn the scale on.
3. The scale's initial countdown routine begins: 9999, 8888, ... 0000 followed by two beeps.
4. The scale zeros itself.

### Weighing and Pricing an Item

1. Clear the platter. Verify zero is indicated, or press **(Zero)**.
2. Place the product on the scale platter.
3. Enter the Unit Price using the number keys, **(0)** to **(9)**.
4. Note the displayed Weight, Unit Price, and Total Price.
5. Remove the product from the scale.

### Weighing and Pricing Several Items With the Same Price

1. Clear the platter. Verify zero is indicated, or press **(Zero)**.
2. Press **(SAVE)**.
3. Enter the Unit Price using the number keys, **(0)** to **(9)**.
4. Place the product on the scale platter.
5. Note the displayed Weight, Unit Price, and Total Price.
6. Remove the product from the scale.
7. Repeat steps 4, 5, 6 for additional items having the same price.

To change the unit price, press **(Clear)** and repeat steps 3, 4, 5, 6, 7.

When done, press **(SAVE)** to remove the unit price.

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## Weighing and Pricing Items Using a Known Tare

You can manually enter the tare value using the number keys if the weight of the container and wrapping is a known value.

1. Clear the platter. Verify zero is indicated, or press **(Zero)**.
2. Enter the known tare value using the number keys, **(0)** to **(9)**.
3. Press **(Tare)**. Display shows the negative tare weight.
4. Place container and product on the scale platter.
5. Enter the Unit Price using number keys **(0)** to **(9)**; or select a PLU or speedkey.
6. Note the displayed Net Weight, Unit Price, and Total Price.
7. Remove the container and product from the scale.
8. Press **(Tare)** to remove the negative value from the weight display.

## Weighing / Pricing Items, Weighing the Container for the Tare

You can weigh the container and wrapping to obtain the tare value. The tare value is deducted from the gross weight to yield the net weight.

1. Clear the platter. Verify zero is indicated, or press **(Zero)**.
2. Place the empty container on the platter; display shows the weight.
3. Press **(Tare)**. NET is indicated and the weight displays zero.
4. Place product in the container on the platter; tare is subtracted from the gross weight and the net weight is displayed.
5. Enter the Unit Price using number keys **(0)** to **(9)**; or select a PLU or speedkey.
6. Note the displayed Net Weight, Unit Price, and Total Price.
7. Remove the container and product from the scale.
8. If the tare remains the same, repeat steps 4, 5, 6, 7.

To remove the tare or negative weight value from the weight display, make sure the scale platter is cleared and then press the **(Tare)** key.

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## Weighing / Pricing Items, Using Proportional Tare

You can manually enter a percentage tare value using the number keys if the percentage of the container and wrapping material is a known value. This can be used for taring the wrappers on wrapped candy, etc.

1. Clear the platter. Verify zero is indicated, or press **(Zero)**.
  2. Enter the percentage tare value X 100 using the number keys, **(0)** to **(9)**. For example: For 3%, enter 300 which displays as 3.00. For 0.5% enter 50 which displays as 0.50.
  3. Press and hold in the **(Tare)** button for 3 seconds.
  4. Place product in container on the platter.
  5. Enter the Unit Price using number keys **(0)** to **(9)**.
  6. Note the displayed Net Weight, Unit Price, and Total Price.
  7. Remove the container and product from the scale.
  8. If the percentage tare remains the same, repeat steps 4, 5, 6, 7.
- To remove the percentage tare, clear the platter and press **(Tare)**.

## Programming Speedkeys, **(PLU1)** to **(PLU12)**

You can program the speedkeys to recall a frequently used Price that was saved in memory.

1. Clear the platter. Verify zero is indicated, or press **(Zero)**. Press **(Tare)**.
2. Enter the Unit Price using number keys **(0)** to **(9)**.
3. Press and hold in the speedkey for 3 seconds where you want this saved.
4. PLU, the PLU number (1 – 12) and SAVED is displayed.

## Weighing / Pricing Items Using a Speedkey

1. Clear the platter. Verify zero is indicated, or press **(Zero)**.
2. Optional: Place the empty container on the platter and press **(Tare)**.
3. Place the product in the container on the platter. Press the speedkey **(PLU1)** to **(PLU12)** that has the price you want.
4. Note the displayed Weight/Net Weight, Unit Price and Total Price.
5. Remove the product from the scale.



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## Programming PLUs 13 – 50

Additionally, PLUs 13 to 50 can be set up with a price that is saved in memory. Keep a record of the PLU number and its price.

1. Clear the platter. Verify zero is indicated, or press **(Zero)**.
2. Press **(PLU)**.
3. Enter the PLU number, 13 – 50, using number keys **(0)** to **(9)**.
4. Enter the unit price using number keys **(0)** to **(9)**.
5. Press **(PLU)** and hold the button in for 3 seconds.
6. 'PLU', 'the number' and 'SAVED' are displayed.

## Weighing / Pricing Items Using PLUs 13 – 50

1. Clear the platter. Verify zero is indicated, or press **(Zero)**.
2. Place the product on the platter.
3. Press **(PLU)**. PS displays in the unit price display.
4. Enter a PLU number, 13 – 50, using number keys **(0)** to **(9)** that has the price you want.
5. Note the displayed Weight, Unit Price, and Total Price.
6. Remove the product from the scale.
7. Press **(Clear)** to remove the price.

## CLEANING

**⚠ WARNING** Unplug before cleaning or servicing.

**NOTICE** Harsh abrasives, solvents, scouring cleaners and alkaline cleaning solvents, such as baking soda, should not be used especially on the display windows. Do not wipe inside the scale or allow any moisture to enter inside the scale. The outside may be wiped down with a clean cloth moistened with a dilute solution of mild liquid dishwashing detergent and water. The scale platter can be removed for cleaning by lifting straight up. The platter can be cleaned, sanitized and dried as with any utensil. The prongs underneath the platter must fit securely in the holes provided in the weight transfer devices on top of the scale. Check platter and scale for level.

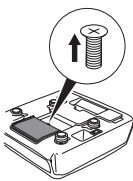
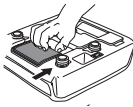
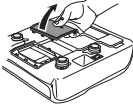
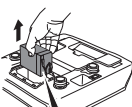

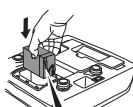

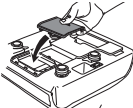
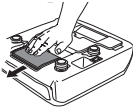
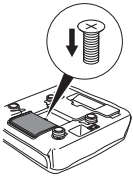
# MAINTENANCE

## Charging the Battery

The scale can be powered and operated using either the power supplied by the AC adapter or the re-chargeable battery located inside the scale. When power is connected, the Battery Recharge indicator comes on to show that the power is connected and that the battery is charging or is fully charged. The red indicator displays if the battery is charging; the green indicator displays if the battery is fully charged. Before using the scale the first time, you need to leave the scale connected until the battery is fully charged. If the scale is not used for a long period of time, you will need to recharge the battery before use (every 3 to 6 months) to maintain battery life.

## Replacing the Battery

The battery is located in a compartment underneath the scale. The battery is expendable and can be replaced if it will no longer hold a charge. Before changing the battery, disconnect electric power to the scale.

<p>1. Remove the screw on the battery cover.</p> 	<p>2. Pull out and remove battery cover.</p>  
<p>3. Lift out battery. Disconnect + – leads.</p>  	<p>4. Connect + – leads to new battery. Install new battery in compartment.</p>  
<p>5. Replace the battery cover.</p>  	<p>6. Reinstall the screw on the battery cover.</p> 

Reconnect electric power to the scale. Allow the new battery to charge.

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## Display Backlight Settings

The backlights for the operator and customer displays can be set to ON, OFF or AUTO.

To change the display backlight setting, follow this procedure:

1. Press the ON switch to turn the scale on. Scale makes one beep.
2. Press and hold down the **SAVE** key. Release the **SAVE** key when you hear a second beep. The display comes on.
3. Press the **SAVE** key to scroll through the three backlight settings: ON, OFF, AUTO. The selection displays in the total price display.  
ON — the backlight is always on.  
OFF — the backlight is always off.  
AUTO — the backlight comes on when you begin using the scale.

When the setting you want to select is displayed, press the **Tare** key. The selection is saved and the scale returns to normal operation.

NOTE: Setting the display backlighting to ON or AUTO will decrease the time between recharging the battery.



## Automatic Power-Off Settings

The scale can be set to stay on all the time or to automatically turn off after 1, 5, or 30 minutes of inactivity.

To change the Automatic Power-Off setting, follow this procedure:

1. Press the ON switch to turn the scale on.
2. While the scale is in its initial routine of displaying numbers counting down in all displays from all zeros to all nines, press the Save key.
3. 'AUto oFF' is displayed. Press **SAVE** to advance through the settings. Settings in the Total Price display are:  
0 — the scale stays on.  
1 — the scale turns off after 1 minute of inactivity.  
5 — the scale turns off after 5 minutes of inactivity.  
30 — the scale turns off after 30 minutes of inactivity.
4. When the displayed setting is the one you want to select, press the **Tare** key. The selection is saved and the scale returns to normal operation.

# TROUBLESHOOTING

Problem	Error Code	Suggested Action
No display.		Turn the scale on.
Scale not on zero.		Clear the platter and press  .
Display backlight flashes when weight is on the platter.		<ol style="list-style-type: none"> <li>1. Recharge the battery (refer to page 10).</li> <li>2. Plug in and turn the scale on.</li> </ol>
Initial zeroing or pressing the zero key was attempted with a load that is more than 4% of the scale's maximum capacity.	Err 4	<ol style="list-style-type: none"> <li>1. Clear the platter. Turn the scale off and back on. Press .</li> <li>2. If this does not work, the scale needs calibration or service.</li> </ol>
Keyboard error.	Err 5	The keyboard has a short circuit and must be replaced.
A/D converter error	Err 6	The scale needs calibration or service.

## WARRANTY

OF



701 S. RIDGE AVENUE  
TROY, OHIO 45374-0001

Hobart ("Hobart") warrants the PS40 scale ("Scale") to the original end user ("Owner") when properly installed within the United States, against defective material and workmanship for one (1) year from the date of original installation. Hobart will replace Scales that Hobart determines are defective and subject to this Warranty. Replacements will be administered through a Scale exchange program that requires Owner to contact Hobart at 1-866-343-7740. If Hobart cannot successfully troubleshoot the Scale, Hobart will ship a new Scale to Owner and Owner must return the original scale to Hobart according to the directions included with the new Scale. Hobart will pay for the freight charges for returning the original Scale. This Warranty is conditioned upon Hobart receiving notice of any defect in a Scale subject to this Warranty within thirty (30) days of its discovery by Owner.

This Warranty does not apply to damage resulting from fire, water, burglary, accident, abuse, misuse, acts of God, attempted repairs or improper installation by unauthorized persons. Failure to follow use, care or maintenance instructions in your Instruction Manual may also void this Warranty.

This Warranty excludes all oral, statutory, express or implied warranties which may be applicable to Hobart, including, but not limited to, any IMPLIED WARRANTY OF MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE. Hobart shall have no liability for consequential, incidental, or special damages arising out of, or with respect to, the sale, operation, use or repair of Scales.