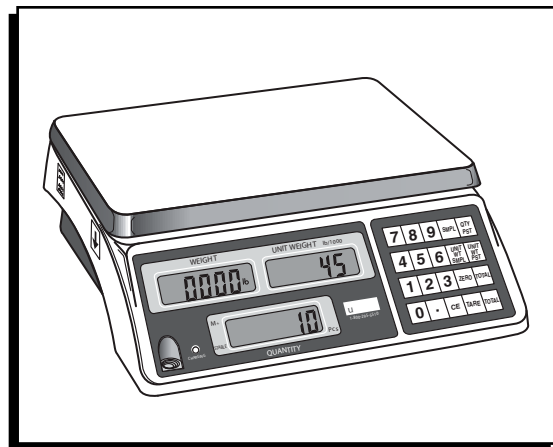




H-1114, H-1115
H-1116, H-1117

INDUSTRIAL COUNTING SCALES

1-800-295-5510
uline.com



BEFORE USING THE COUNTING SCALE

For best performance the scale should be located in a cool, dry place that is free from excessive air currents, corrosives, vibration and temperature or humidity extremes.



WARNING! DO NOT place the scale in or near the following:

1. Next to open windows or doors.
2. Near air-conditioning or heating vents.
3. Near vibrating, rotating or reciprocating equipment.
4. Near magnetic fields or equipment generating magnetic fields.
5. On an unstable work surface.
6. In dusty locations.
7. In direct sunlight.

PREPARING TO USE THE SCALE

1. Put the scale on a firm, level surface to obtain accurate weight readings.

2. Adjust the four leveling feet so scale platform is level.
3. Avoid placing scale in direct sunlight or near the ventilating system exhaust port.
4. Before turning scale on, remove any weight on the scale platform.
5. Once scale is turned on, it goes through an LCD test and re-zeros.
6. Please allow scale to warm up 15-20 minutes before use.
7. When  appears on screen, scale needs recharging.
8. Place items being weighed in center of the platform for accurate weighing. Overall dimensions of the item should not exceed the platform dimensions.

RECHARGEABLE BATTERY

Powered by 115 VAC or rechargeable battery.

Scale operates up to 120 hours on a fully charged battery. Recharge the battery when the  appears or every three months when the scale is not being used for long periods of time.

ACTIVATE SCALE

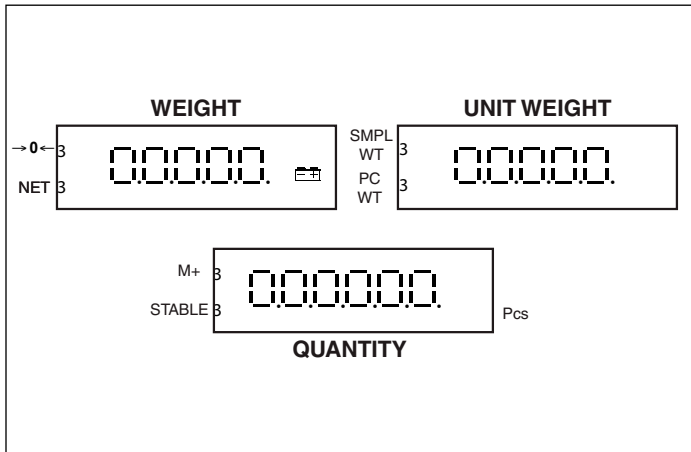
LEVEL THE SCALE

- Place the scale on a flat, level surface.
- Using the leveling bubble on the left front panel, adjust the legs under scale until bubble is centered.

TURN SCALE ON

- Nothing should be on the scale.
- Press ON/OFF located under the left side of the scale.
- Scale counts down to zero and displays the version on the WEIGHT display.
- Allow scale to warm up for 15 to 20 minutes before use.

DIGITAL DISPLAYS



WEIGHT

Weight of all the objects placed on the weighing platform or the totalized weight.

UNIT WEIGHT

Weight of each of the objects placed on the weighing pan or the number of weighings totaled.

QUANTITY

Number of objects (count) on the weighing platform or the total number of objects being totaled.

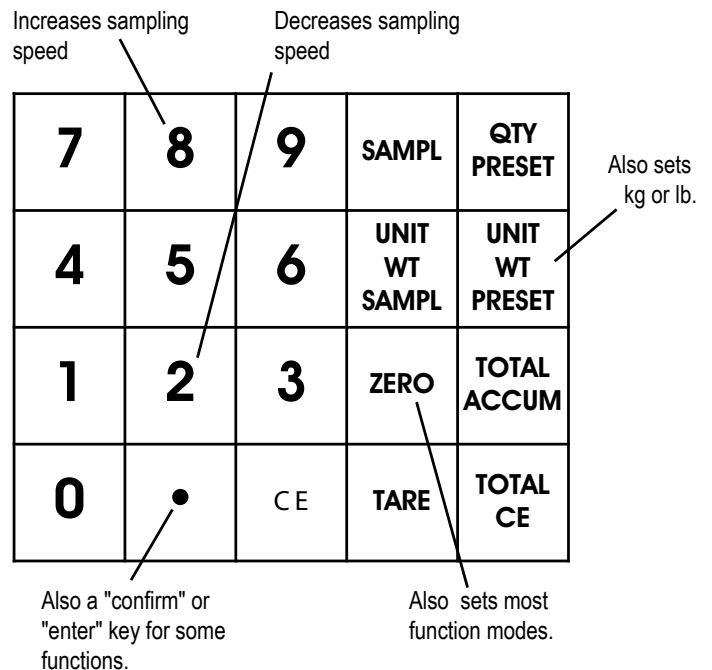
INDICATORS

1. "◀" – Indicator shows what is being displayed: "0", "NET", SMPL WT, PC WT, M+, STABLE.
2. kg – displays weight in kilograms.
3. lb – displays weight in pounds.
4. – "Low Battery" indicator. Battery needs recharging.

KEYPAD

1. 0-9 – Numeric keys set numeric data for tare weight, sample number and sample weight.
2. SMPL – Used to set the quantity and weight of the items being counted.
3. QTY PRESET – Preset the quantity limits.
4. UNIT WT SMPL – Preset the high weight limits.
5. UNIT WT PRESET – Store up to 10 different piece weights. Also set scale to read in kg or lb.
6. ZERO – Re-zeros the weight. Also used to set functions.
7. TOTAL ACCUM – Accumulation Key: adds the display value into memory.
8. • – Sets decimal point position. Also a confirm or enter key to complete some functions.
9. CE – Clears or deletes existing accumulated values.
10. TARE – Deducts container weight from pieces weight.
11. TOTAL CE – Clears Accumulated Total from memory.

Some keys on the keypad serve dual functions.



SETTING FUNCTION MODES

SETTING "LBS" OR "KG"

1. For lb. Press UNIT WT PRESET, then "1".
2. For kg. Press UNIT WT PRESET, then "2".
3. Scale displays weight in "kg" or "lb" until you change it.



NOTE: If UNIT WT PRESET is set to select unit weight as a secondary function, hold key for about 3 seconds.

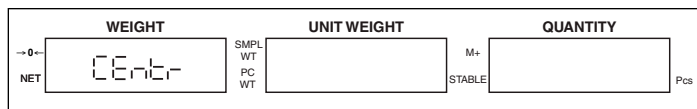
ZERO DISPLAY MASK (BACK ZERO MODE)

Auto Zero Tracking (default) ensures that the "0" remains stable despite changes in temperature or power. In drafty and other unstable conditions the Zero Display Mask is useful. You can set the scale to not show the first division of weight. It will show "0" as long as the weight is less than two display divisions.

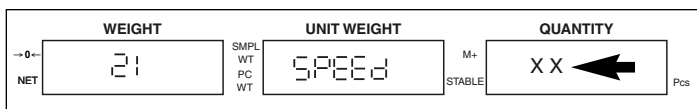
0 = Normal Mode (1st Division displayed)

1 = Zero Display Mask (1st Division displayed as 0)

1. Press ZERO, then 8.



2. Press 4 to select 0, or 6 to select 1.



3. Press QTY PRESET to exit and save the settings.

DISPLAY BACKLIGHT

Turn Backlight On:

Press ZERO, then 5. Backlight turns on automatically when any key is pressed or the weight is over 10 divisions. When weight is removed, backlight switches off after 5 seconds.

Backlight On Continuously:

Press ZERO, then 4. Backlight will now stay on all the time.

Backlight Off:

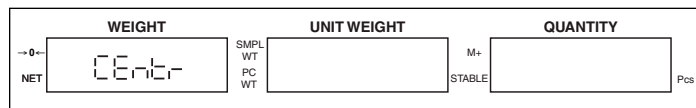
Press ZERO, then 6. Turns backlight off.

SET SAMPLING SPEED

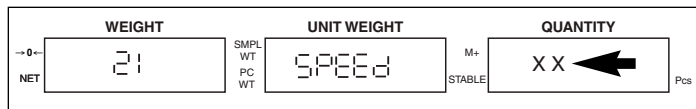
The slower the sampling speed, the more accurate the count will be. The faster the sampling speed, the less accurate the count may be.

01 to 15 (01 = slow, 15 = very fast)

1. Press ZERO, then 8.



2. Press 8 to increase or 2 to decrease the sampling speed.



3. Press QTY PRESET to exit and save the settings.

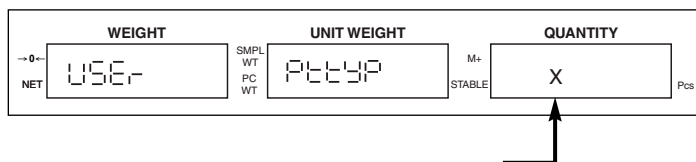
PRESET TARE

You can set the Preset Tare (used to enter the weight of a container when its weight is known) one of two ways:

0 = Preset Tare function is not available when an object is on the scale.

1 = Preset Tare function is available when an object is on the scale.

1. Press ZERO, then 1, 2.



2. Press 0 or 1 to select the desired mode.
3. Press • to exit and save the settings.

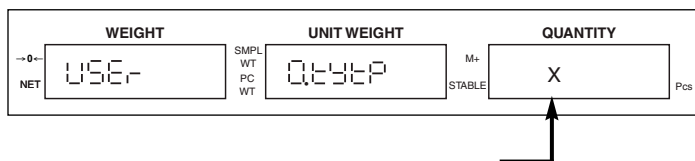
PRESET QUANTITY

You can set the way the scale will accept Preset Quantities.

0 = Scale accepts quantity only when weight is stable.

1 = Scale accepts quantity even when weight is unstable.

1. Press ZERO, then 1, 3.



2. Press 0 or 1 to select the desired mode.
3. Press • to exit and save the settings.

SETTING FUNCTION MODES CONTINUED

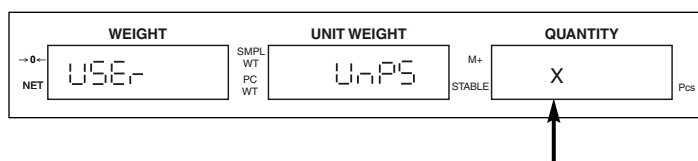
UNIT WT PRESET DUAL FUNCTION PRIORITY

You can set the UNIT WT PRESET key to treat either of its functions (Unit Weight Presets or switch from lb to kg) to operate as the default function.

0 = Quick press of UNIT WT PRESET key operates "kg/lb" (Default). Press and hold UNIT WT PRESET for 3 seconds to operate the Unit Weight Presets function.

1 = Quick press of UNIT WT PRESET key operates Unit Weight Presets function (Default). Press and hold UNIT WT PRESET for 3 seconds to operate "kg/lb".

1. Press ZERO, then 1, 6.



2. Press 0 or 1 to select the desired mode.
3. Press • to exit and save the settings.

TOTAL ACCUM

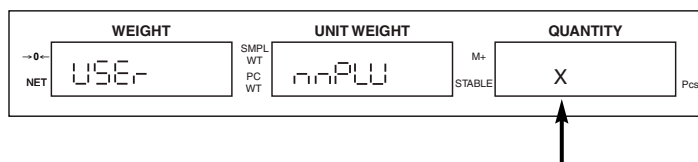
Set the way the scale shows or indicates totalized values.

0 = After pressing TOTAL ACCUM, display shows totalized value. After 3 seconds, scale counts back to zero.

1 = After pressing TOTAL ACCUM, display shows totalized value. Press CE, scale counts back to zero.

2 = After pressing TOTAL ACCUM, beeper sounds, display does not show totalized value.

1. Press ZERO, then 1, 1.



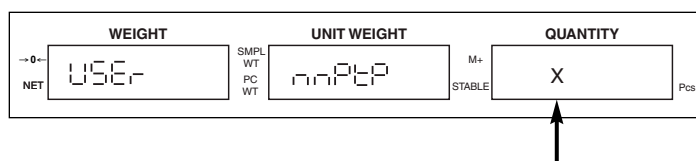
2. Press 0, 1 or 2 to select the desired mode.

You can set the way the Total Accum operates.

0 = TOTAL ACCUM works only when weight is stable.

1 = TOTAL ACCUM works even when weight is unstable.

1. Press ZERO, then 1, 4.



2. Press 0 or 1 to select the desired mode.
3. Press • to exit and save the settings.

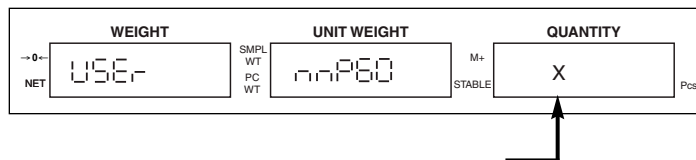
Continuous/Zero

You can set TOTAL ACCUM to operate continuously or only after the scale returns to zero.

0 = After pressing TOTAL ACCUM, scale must return to zero before TOTAL ACCUM works again.

1 = After pressing TOTAL ACCUM, it's ready to go again immediately.

1. Press ZERO, then 1, 5.



2. Press 0 or 1 to select the desired mode.
3. Press • to exit and save the settings.

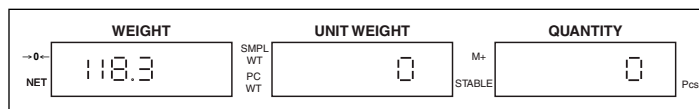
USING THE SCALE

COUNTING

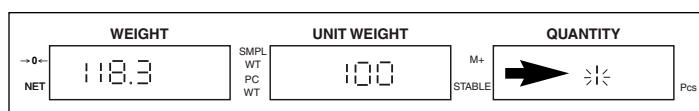
Set the piece weight of the items being weighed before doing any counting operations.

WHEN THE PIECE WEIGHT OF THE ITEM BEING WEIGHED IS UNKNOWN

1. Place a sample quantity of items on the scale.

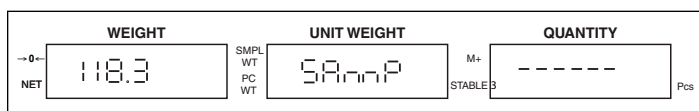


2. Use the number keys (0-9) to enter the number of items placed on the scale

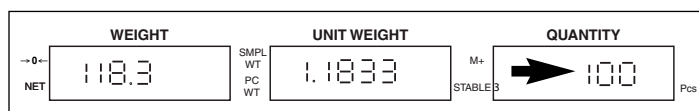


NOTE: While the **QUANTITY** display flashes for 3 seconds, press the **SMPL** key. (otherwise the number entered will be used as the piece weight when the display stops flashing.)

3. While the **QUANTITY** display is flashing, press the **SMPL** key.

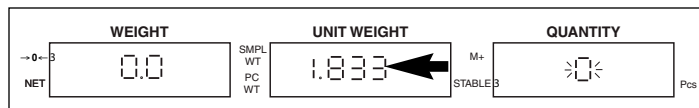


4. The count appears on the **QUANTITY** display when the scale stabilizes.

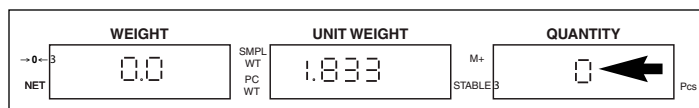


WHEN THE PIECE WEIGHT OF THE ITEM BEING WEIGHED IS KNOWN

1. Use the number keys to enter the known weight of the item.



2. Press the **UNIT WT SMPL** key. The count appears on the **QUANTITY** display.



NOTE: The larger the sample weight is, the more accurate the count will be.



NOTE: With both the **UNIT WEIGHT** and **QUANTITY** displays showing zero, pressing either **UNIT WT SMPL** or **SMPL** key will recall the latest piece weight value.

ZERO FUNCTION

Press the **ZERO** key to re-zero the display. Nothing should be on the platform. "◀" appears next to >0< symbol on the **WEIGHT** display.

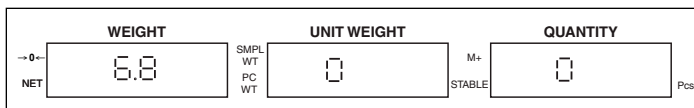
The zero setting range is $\pm 2\%$ of the capacity of the scale.

TARE

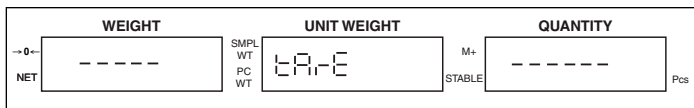
TARE allows the scale to automatically deduct the weight of the container used to hold item samples.

WHEN THE WEIGHT OF THE CONTAINER IS UNKNOWN

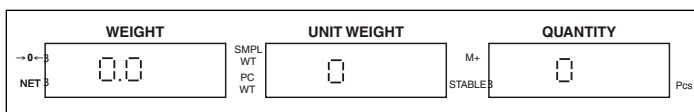
1. Place the empty container on the scale.



2. Press **TARE** key.



3. When scale stabilizes, net weight appears in the **WEIGHT** display and "◀" appears next to the **NET** symbol.



CLEAR TARE

1. Remove container from the scale.
2. Press **TARE** key to clear the tare value, **WEIGHT** display resets to zero.

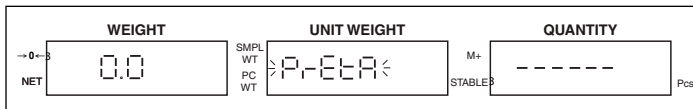
USING THE SCALE CONTINUED

TARE CONTINUED

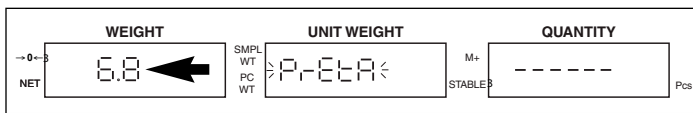
WHEN THE WEIGHT OF THE CONTAINER IS KNOWN (PRESET TARE)

I. When the User Mode Function for Preset Tare (See Page 3) is set to "0", Preset Tare will not work with a weight on the scale.

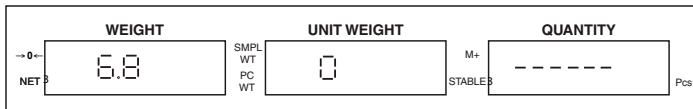
1. With nothing on the scale, Press TARE.



2. Enter the weight of the container.

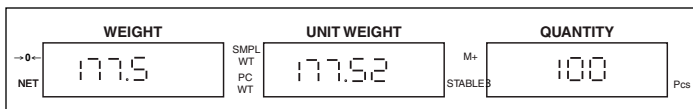


3. Press TARE.

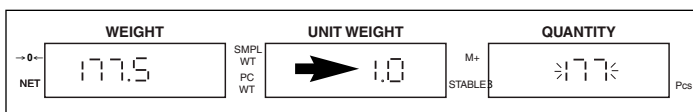


II. When the User Mode Function for Preset Tare (See Page 3) is set to "1", Preset Tare will work with a weight on the scale.

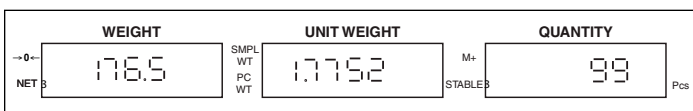
1. Place an object on the scale.



2. Enter the weight of the container.



3. Press TARE.



CLEAR PRE-TARE

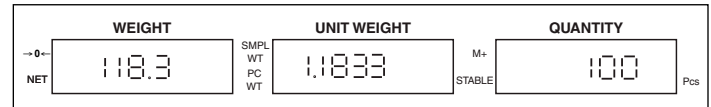
1. Remove container from the scale.
2. Press TARE key to clear the tare value, WEIGHT display resets to zero. The "◀" next to NET will go off.

TOTALIZING

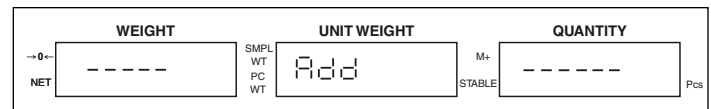
Use the TOTAL ACCUM up to 99 times before it must be reset. The totalizing display is limited to a maximum of six digits.

QUANTITY TOTALIZING

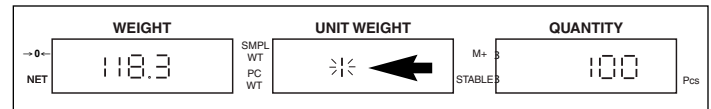
1. Place the object on the scale.



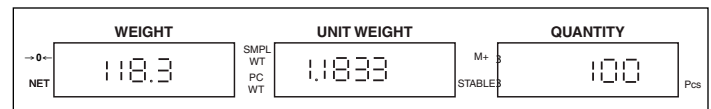
2. Press TOTAL ACCUM.



3. When scale stabilizes, UNIT WEIGHT displays total number of additions.



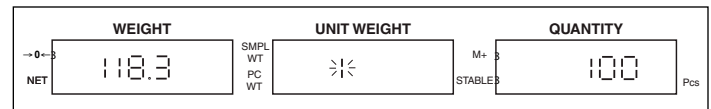
4. After 3 seconds, scale returns to counting mode.



RECALL QUANTITY TOTALIZED

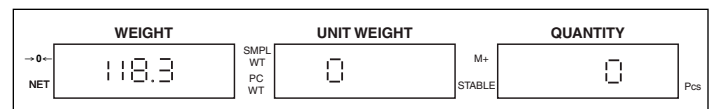
Both the WEIGHT and the UNIT WEIGHT should display 0.

1. Press TOTAL ACCUM to recall the totalized amount.

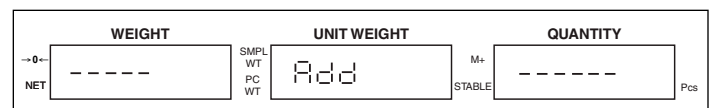


WEIGHT TOTALIZING

1. With UNIT WEIGHT displaying 0, place an object on scale.



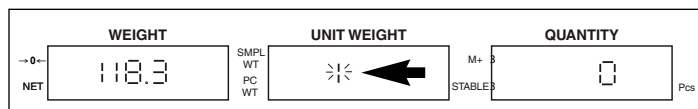
2. Press TOTAL ACCUM.



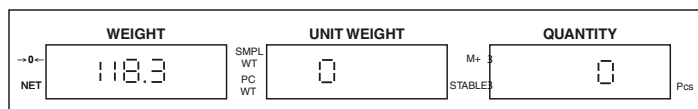
USING THE SCALE CONTINUED

WEIGHT TOTALIZING CONTINUED

- When scale stabilizes UNIT WEIGHT displays the total number of additions.



- After 3 seconds, scale returns to weighing mode.



CLEAR ALL TOTALIZED VALUES

Press TOTAL CE to clear all of the totalized values. "◀" next to M+ icon on QUANTITY display switches off. Totals for weight, number of additions and quantity reset to zero.

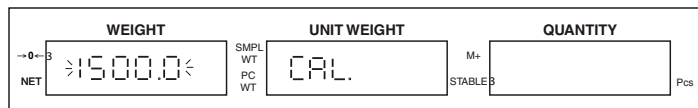
NOTE: All totals will be lost if the scale is switched off.

CALIBRATION

AUTO CALIBRATION

You must use calibration weights to accurately calibrate the scale. Calibration weights totaling at least 10% of scale's capacity must be used for accurate calibration.

- With the scale displaying "0", press and hold •, then press UNIT WT PRESET until the WEIGHT display flashes the scale capacity. Release the keys.



- Place weights on the scale equal to the full load capacity. When scale stabilizes, it calibrates automatically.
- While the scale counts down to 0, remove the weights from the scale. The calibration is complete.
- Press CE to exit from the calibration mode.

NOTE: If weights equalling the full load are not available, you can enter a weight that is less than the full load.

- With the scale displaying "0", press and hold •, then press UNIT WT PRESET until the WEIGHT display flashes the scale capacity. Release the keys.
- Enter the weight to be used, then place the weight on the scale. When the scale stabilizes, it calibrates automatically.

- While the scale counts down to 0, remove the weights from the scale. The calibration is complete.
- Press CE to exit from the calibration mode.

RECALL THE ORIGINAL CALIBRATION VALUES

- Press and hold CE, then press UNIT WT PRESET until the scale counts down to 0. Release the keys. The scale will revert to the original factory calibration values.

UNIT WEIGHT PRESET MEMORY

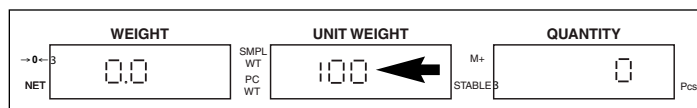
The scale can store 10 sets of unit weight presets in the number keys (0 - 9). Once saved, pressing a particular number key will display the unit weight saved in that memory.



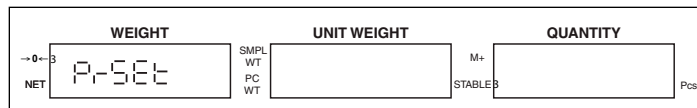
NOTE: The UNIT WT PRESET key is a dual function key. Determine if Unit Wt Preset is set as the main function or the secondary function of this key. If unit weight preset is the secondary function, you'll have to hold the UNIT WT PRESET key down for 3 seconds to activate the feature.

SETTING A UNIT WEIGHT PRESET

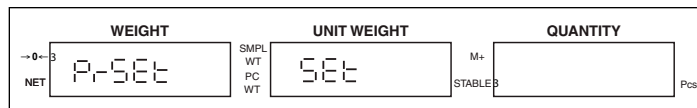
- Use the number keys (0-9) to enter the unit weight value you wish to save.



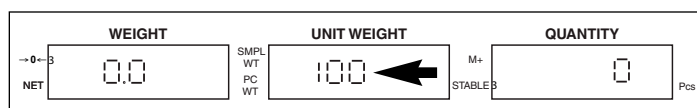
- Press UNIT WT PRESET.



- Press UNIT WT PRESET again.



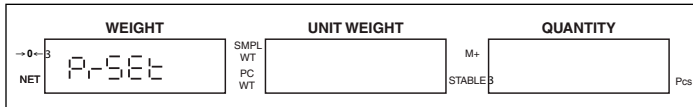
- Press any number key (0-9) to save the weight in that key's memory.



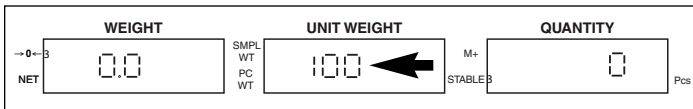
USING THE SCALE CONTINUED

RECALL A UNIT WEIGHT PRESET CONTINUED

1. Press and hold UNIT WT PRESET.



2. Press any number key (0-9) to recall the unit weight saved in that key's memory.

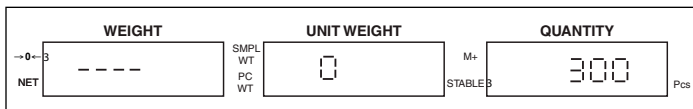


QUANTITY AND WEIGHT LIMIT PRESETS

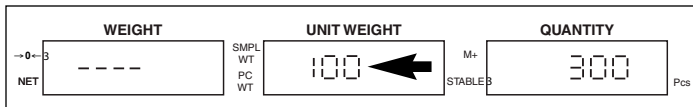
SET A HIGH LIMIT VALUE FOR QUANTITY PRESET

The scale can store a High Limit unit quantity value. If the quantity on the scale exceeds the limit value set, the scale beeps and UNIT WEIGHT displays a blinking: QTY.

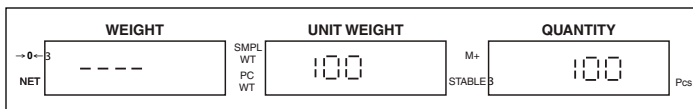
1. Press QTY PRESET with or without a weight on the scale.



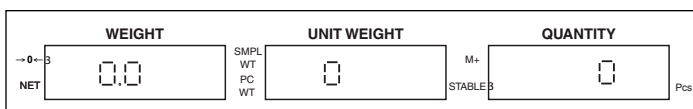
2. Enter the Hi Limit value you wish to set. Use CE to correct the number if necessary.



3. Press SMPL. Use CE to correct the number if necessary.



4. Press QTY PRESET to return to counting mode.



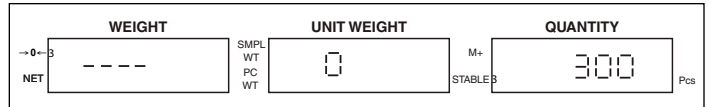
TO CLEAR HI LIMIT QUANTITY PRESETS

1. Press QTY PRESET with or without a weight on the scale.
2. Enter "0".
3. Press SMPL.
4. Press QTY PRESET to return to counting mode.

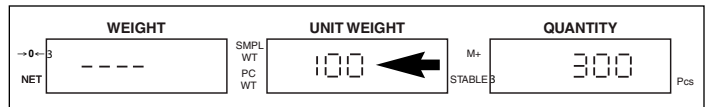
SET A HIGH LIMIT VALUE FOR UNIT WEIGHT

The scale can store a High Limit unit weight value. If the weight on the scale exceeds the limit value set, the scale beeps and UNIT WEIGHT displays a blinking: WUPST.

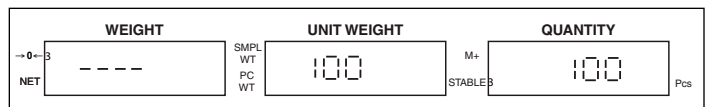
1. Press QTY PRESET with or without a weight on the scale.



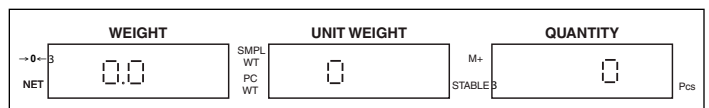
2. Enter the Hi Limit value you wish to set. Use CE to correct the number if necessary.



3. Press UNIT WT SMPL. Use CE to correct the number if necessary.



4. Press QTY PRESET to return to counting mode.



TO CLEAR HI LIMIT UNIT WEIGHT PRESETS

1. Press QTY PRESET with or without a weight on the scale.
2. Enter "0".
3. Press UNIT WT PRESET.
4. Press QTY PRESET to return to counting mode.

TROUBLESHOOTING

Operating Issue	RECOMMENDATIONS
For best performance:	Allow scale to warm to room temperature before use.
Do not place scale:	Next to open windows or doors. Near air conditioning or heating vents. Near vibrating, rotating or reciprocating equipment. Near magnetic fields or equipment. On an unstable work surface. In dusty locations. In direct sunlight.
If scale is not displaying accurate weights:	Make sure all shipping material has been removed (foam, screws, etc.). Make sure there is nothing on the platform when the scale is turned on.
If scale is indicating insufficient sample:	Make sure sample and piece weight meet the scales minimum requirements.
Scale shuts off or will not turn on:	Remove battery and plug the scale in. If the scale works, you will need to replace the battery.