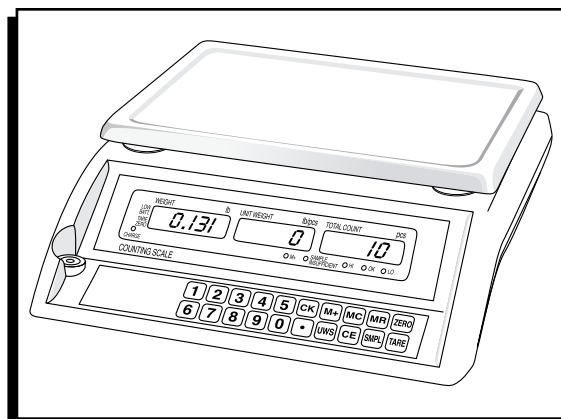


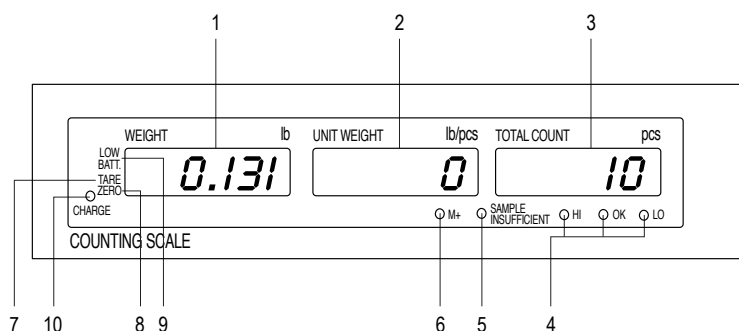
ULINE H-1121, H-1122
H-1123
**ECONOMY
COUNTING SCALE**

1-800-295-5510
uline.com



OVERVIEW OF CONTROLS

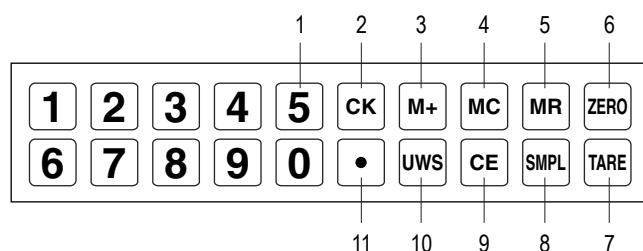
DISPLAY



DISPLAY DEFINITIONS

#	NAME	DESCRIPTION
1	Weight	Displays the total weight.
2	Unit Weight	Displays the unit weight.
3	Total Count	Displays the number of counted items.
4	HI, LO, OK	Indicators for check counting function.
5	Sample Insufficient	Indicates when sample size is less than 10 pcs or unit weight is smaller than 4/5 of min. weighing capacity.
6	M+	Indicates when accumulating.
7	TARE	TARE shown on the display indicating tare weight is set.
8	ZERO	ZERO shown on the display after reset of the weight to zero.
9	Low Batt	Symbol shown on the display indicating battery low, recharging the battery is required.
10	Charge	Light is red when charging, light is green when charge is completed.

KEYPAD



KEYPAD DEFINITIONS

#	NAME	DESCRIPTION
1	0-9	Numeric Keys
2	CK	Check key. Used when keying in the amount to check.
3	M+	Add to the memory.
4	MC	Memory clear. Clears out what has been stored into the memory.
5	MR	Memory recall. Displays what has been entered into the memory.
6	ZERO	If there is a minor weight displayed, without anything on the platform, hit the zero key to clear the display.
7	TARE	The tare key zeros out the weight of a container being used to hold small parts.
8	SMPL	Sample key. Used when keying in sample amount.
9	CE	Clear key. Clears out the unit weight displayed.
10	UWS	Used when manually keying in the unit weight.
11	•	Decimal Key.

SET-UP

SELECTING THE LOCATION

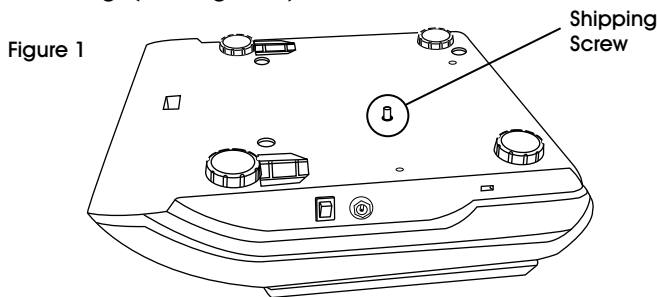
The scale should always be used in an environment that is free from excessive air currents, corrosives, vibration and temperature or humidity extremes. These factors will affect displayed weight readings.

Avoid placing the scale next to or near:

- Open windows or doors.
- Air conditioning or heat vents.
- Vibrating, rotating or reciprocating equipment.
- Magnetic fields.
- Equipment that generates magnetic fields.
- Direct sunlight.
- An unstable work surface.
- A dusty environment.

REMOVING THE SHIPPING SCREW

- Remove shipping screw from bottom of scale before using. (See Figure 1)



INSTALLING THE PLATFORM

Place the platform on top of the scale.

LEVELING

The scale is equipped with a level indicator located to the left of the keypad. Use the adjustable leveling feet located on the bottom of the scale until the bubble appears in the center circle of the indicator.

CONNECTING POWER

The scale can operate continuously by connecting directly to AC power or operate 120 hours on a fully charged battery.

AC ADAPTER

Plug the AC adapter into the jack on the left side of the scale.

BATTERY

The scale is equipped with a rechargeable battery.

When the battery voltage is low, a battery symbol will start blinking in the left display. The scale will automatically turn off 8 hours after the blinking has started.

Plug the AC adapter in to recharge the battery. The battery display window is located on the front panel on the left side, next to the word CHARGE. When the display is RED, the battery is being charged. It will take 8 hours to fully charge the battery. When the display is GREEN, the scale has been charged to its full capacity.

OPERATION

TURNING THE SCALE ON/OFF

Only power the scale on with an empty platform.

1. Power switch is located on the left side of the scale. Press the power switch and the scale will start to count down from nine to zero and will display the version in the WEIGHT display. The scale is then ready for use.

 **NOTE:** Allow scale to warm up for at least 20 minutes before use.

2. Press the power switch again, to turn the scale off.

CHANGE UNIT OF MEASURE

1. Turn off the scale.
2. Hold down the SMPL key and turn on the scale at the same time.
3. Enter 1-1-3-2 and press the SMPL key. The words SETu will be shown in the weight display and -Lb- in the total count display.

4. Press 1 to change the unit of measure. The words SETu will be shown in the weight display and -g- in the total count display.
5. Press the SMPL key to accept.
6. Press the SMPL key again then press the ZERO key. Scale will restart.

CALIBRATION

The scale is delivered pre-calibrated. There is no need to calibrate the scale unless you feel it has become inaccurate. You **MUST** use a precision test weight to properly calibrate the scale. The test weight **CANNOT** exceed the scale's capacity.

 **NOTE:** Calibration can only be done in metric system weight (kg).

OPERATION CONTINUED

CALIBRATION WEIGHTS (METRIC ONLY)

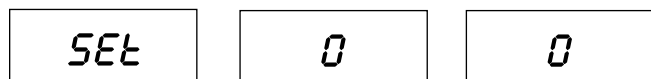
Model #	1/3 weight	2/3 weight	Full capacity
H-1121	2 kg	4 kg	6 kg
H-1122	5 kg	10 kg	15 kg
H-1123	10 kg	20 kg	30 kg

SPAN CALIBRATION

- Turn off the scale.
- Hold down the SMPL key and turn on the scale.
 - 0 will be displayed in the UNIT WEIGHT display.
 - 0 will be displayed in the TOTAL COUNT display.
- Press 1-1, then press SMPL.
 - CAL. will be displayed in the WEIGHT display.
 - Blinking 0 will be displayed in the UNIT WEIGHT display.
 - H9- will be displayed in the TOTAL COUNT display.
 - After 10-15 seconds Zero Calibration is completed and the scale is now ready to be calibrated. CAL will be in the weight display.
- Press 1 to choose the weight of 1/3, 2/3 or full capacity for calibration. Put the 1/3, 2/3 or full capacity on the platform (kg unit). Press the  key to confirm.
- After 10-15 seconds the WEIGHT display will show PASS.
- Remove the weights, press the SMPL key then the ZERO key.
 - Scale will restart.

THREE-POINT CALIBRATION

- Start with the scale off.
- While holding the TARE button, switch the scale on.
This will be displayed:



- Remove all weights from the platform and press the TARE button.
- On0 will be displayed on the WEIGHT display:



- Once the WEIGHT display goes to On1, place 1/3 of the scale capacity on the platform (in KG):



- The WEIGHT display will then go to On2, place 2/3 of the scale capacity on the platform (in KG):



- The WEIGHT display will then go to On3, place the full scale capacity on the platform (in KG):



- If the calibration is successful, the scale will display PASS in the WEIGHT display:



- Remove weights from the platform, then press TARE to return to weighing mode.

WEIGHING

- Place item to be weight on the scale platform.
- Weight will be shown in the WEIGHT display.

COUNTING

Use this mode to count parts of uniform weight.

SAMPLE OF UNIT WEIGHT

The scale cannot determine how many pieces are on a platform without a sample.

- Put the objects intended for sampling on the platform.
- Key in the sample quantity. This number will blink in the UNIT WEIGHT display.
- Press the SMPL key. The calculated unit weight will then be shown in the UNIT WEIGHT display and the number of objects is now shown in the TOTAL COUNT display.
- Put on the remaining objects. The total quantity will then be displayed.

MANUAL ENTRY OF UNIT WEIGHT

Enter a known unit weight by pressing the value first, followed by the UWS key. You must key in the unit weight using the metric system form. (Move the decimal point over to the right 3 places).

EXAMPLE: You know your unit weight is .0014 lbs. If you want to key in the weight manually, you would key in 0.014 and hit the UWS key.

UNIT WEIGHT RECALCULATING

The unit weight will be averaged again if you add the remaining quantity gradually, by several lots. This will help eliminate errors caused by the possible weight variation among each object and lead to more accurate results.

OPERATION CONTINUED

When adding objects to the pan, be sure that the quantity is LESS THAN those already on the platform. An alarm will sound a beep when the unit weight is averaged again.

LACK OF UNIT WEIGHT

If the unit weight is no more than 4/5 of the set display resolution (accuracy) or less than 10 piece sample, the sample insufficient light will blink in the lower-right corner of the UNIT WEIGHT display, reminding the user that the unit weight is too small for accurate quantity calculations.

MODEL	MINIMUM PIECE WEIGHT	MINIMUM SAMPLE WEIGHT
H-1121	.0005 lbs.	.020 lbs.
H-1122	0.001 lbs.	.040 lbs.
H-1123	0.002 lbs.	.080 lbs.

If the unit weight is too light, another scale is needed. Continuing to use this scale will result in less accurate results.

TARE

When weighing an item that is in a container, taring stores the container weight to memory.

To store the tare weight into memory and set the WEIGHT display as zero:

1. Place an empty container on the platform.
2. Press TARE. The word TARE will be displayed in the lower left of the WEIGHT display.

The container's weight is then stored in the scale's memory.

3. Add pieces to the container. As the pieces are added, their net weight will be displayed.

Removing the container from the platform will cause the scale to display the container's weight as a negative number. Pressing the TARE or ZERO key will readjust the scale to zero.

CHECK COUNTING

Users can set a number for counting check. When the number of objects on the platform is equal to or larger than the preset checking number the alarm sound beeps repeatedly.

SET CHECK COUNT

1. Press CK key. CH will blink in the WEIGHT display and the Hi setting will be shown in the UNIT WEIGHT display.
2. Key in the desired checking number.
3. Press the  key to switch to Lo setting.

4. Key in the desired number.

5. Press CK again to accept.

CLEAR CHECK COUNT

1. Press the CK key.
2. Press the  key twice to reset.

ACCUMULATION

Use the M+, MR and MC keys to add, recall or clear weight, accumulation times and total count.

ACCUMULATE DATA

Press the M+ key after the weight and total count has been calculated and displayed. The M+ will light up.

The scale will show the accumulated weight in the WEIGHT display, "ALL XX" (or ALL X) in the UNIT WEIGHT display (XX represents the total accumulation times; at the most 99 accumulations can be accepted), and the total quantity in the TOTAL COUNT display.

ADDING ADDITIONAL LOTS

Remove the current lot of objects from the platform. Put on the next lot of objects and press the M+ key again. New data will then be added to the memory.

RECALL DATA

Stored data can be recalled by pressing the MR key. When this is pressed the scale will show the accumulated data. Total weight will be shown in the WEIGHT display and the total quantity will be shown in the TOTAL COUNT display.

The UNIT WEIGHT display will show ALL XX (or ALL X). XX represents the total accumulated times.

Press MR repeatedly and the scale will show the stored data from item 1 to the last item (at most 9 individual items will be displayed). The UNIT WEIGHT display will show ACC XX or ACC X to indicate the number of the displayed item.

All the recalled data will be displayed in revolving order if MR is pressed repeatedly.

CLEAR DATA

Press the MC key to clear the stored data. When MC is pressed in the normal weighing mode, or in the memory recall mode with accumulated data displayed (the UNIT WEIGHT display shows ALL XX), the UNIT WEIGHT display will show ALL 0, and both the accumulated data and the individual item will be cleared.

If MC is pressed in the memory recall mode, when the individual item is displayed (the UNIT WEIGHT display shows ACC XX), only the displayed individual item will be cleared.

SET UP MENU

TO ENTER SET UP MENU

1. Turn off the scale.
2. Press and hold the ZERO key while turning on the scale. The display will show SET SCALE FUNC.

BACKLIGHT

The backlight is provided for better visibility when the scale is used in a dark environment.

1. Press 0 and display will show SEt0 Light OnOFF.

SEt0	Light	OnOFF
------	-------	-------

2. Continue to press 0 to choose setup:
 - ON: Backlight will always be ON.
 - ONOFF: Backlight will be ON only when there is something on the platform and it is greater than 9 times of the set display accuracy.
 - OFF: Backlight will always be off.
 - 2: Backlight stays on for 2 seconds after weight is applied to scale.
 - 5: Backlight stays on for 5 seconds after weight is applied to scale.
 - 10: Backlight stays on for 10 seconds after weight is applied to scale.
3. Press ZERO to return back to the weighing/counting mode.

AUTO POWER-OFF

When the auto power-off time is enabled, the scale will automatically turn off when there has been no load on the platform and the scale is stable at zero position for a specific period of time (in minutes).

1. Press 3 and the display will show SEt3 OFFt OFF.

SEt3	OFFt	OFF
------	------	-----

2. Five options exist: 5, 10, 30, 60 minutes and OFF are available.
3. Continue to press 3 to choose the desired setup. When OFF is chosen, the Auto Power-Off feature is not enabled and the scale will remain on.
4. Press ZERO to return back to the weighing/counting mode.

MOTION FILTERING

This function is provided for weighing vibrating objects or to prevent the scale from vibration, which will affect the stability of the scale.

1. Press 2 and the display will show SEt2 FilT -1-.

SEt2	FilT	- 1 -
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2. Continue to press 2 to choose motion filtering level as 1 or 2.
 - Level 1: Reaction is faster, effect to filter vibration is worse.
 - Level 2: Reaction is slower, effect to filter vibration is better.
3. Press ZERO to return back to the weighing/counting mode.

TURNING CHECK COUNTING SOUNDS ON/OFF

When in the check counting mode, alarm sounds can be enabled.

1. Press 7 and the display will show SEt7 bEEP nbEEP.

SEt7	bEEP	nbEEP
------	------	-------

2. Continue to press 7 to choose the correct set up.
 - Un: Beep sounds when quantities are over the setting of Hi.
 - In: Beep sounds when quantities are within the setting of Hi and Lo, including the Hi and Lo limits.
 - no: Beep sounds when quantities are out of Hi and Lo setting.
 - Lo: Beep sounds when quantities are below the setting of Lo.
 - nbEEP: No beep alert.
3. Press zero to return back to weighing/counting mode.

TROUBLESHOOTING

OPERATING ISSUE	RECOMMENDATIONS
Not displaying accurate weights	Make sure all shipping material has been removed (foam protective screw, 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.
Error 2	Make sure shipping screw is removed from bottom of scale. Perform three point calibration.

If the problem persists, or if the troubleshooting section does not resolve or describe your problem, contact Uline Customer Service at 1-800-295-5510.