

Ishida Retail Series

Calibration Manual



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Revision History

This section tracks and describes the current and previous manual revisions for awareness of major updates and when the updates took place.

Revision	Date	Description
A	January 5, 2018	Initial manual release with the launch of the product
B	December 1, 2022	Updates to the RS-130/160 Section

Table i. Revision Letter History



Technical training seminars are available through Rice Lake Weighing Systems. Course descriptions and dates can be viewed at www.ricelake.com/training or obtained by calling 715-234-9171 and asking for the training department.

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1.0 Counter-Top Scales



1.1 RS-130/RS-160

Follow the steps below to complete the calibration process.

1. Turn on the scale while pressing  until the WEIGHT display shows 7. 4 for the firmware version.





NOTE: On legacy RS-130/160 models, the WEIGHT display shows 5. 3 for the firmware version.

2. Press and hold  until **SEtUP** displays.
3. Press  to enter calibration mode. The WEIGHT display flashes **CAL - 1** and then **UnI t 1** displays.



NOTE: The WEIGHT display does not flash CAL-1 if jumper JP1 is in the disabled position. See [Set JP1 Jumper](#) if the WEIGHT display does not flash CAL-1.


4. Press  to select the weight unit (default is kg) to be used for calibration. An arrow displays over the selected unit.
 - Un t 1 - kg
 - Un t 2 - lb
 - Un t 3 - oz (not available in Canada)
5. Press  to accept the weight unit. The UNIT PRICE display shows:
 - 000. 000 - kg
 - 0000. 00 - lb
 - 00000. 0 - oz (not available in Canada)



NOTE: On legacy RS-130/160 models with firmware version 6.3, weight value entry is on the WEIGHT display and appears with 5 digits rather than 6.

6. Press  to move between digits and press  to change the flashing digit to match the scale capacity weight that will be used to calibrate the scale.

Example:

For a 30 x 0.01 lb scale, use a 30 lb standard weight to calibrate; press  to shift the flashing digit to

0000. 00 and press  to set the digit to 0030. 00.




IMPORTANT: Full capacity weight is required for calibration.

- Remove all weight from the scale and press **CHANGE**. Wait for the WEIGHT display to show *on /* and the UNIT PRICE display to show the internal offset value. The internal offset value is zero when no weight is on the scale.

 **NOTE:** For legacy RS-130/160 models with firmware version 6.3, the WEIGHT display shows the internal offset value.

- Place full capacity weight, that was configured in [Step 6](#), on the scale platter.
- Wait for the internal offset value to stabilize, then press **CHANGE**.

 **NOTE:** For legacy RS-130/160 models with firmware version 6.3, after pressing **CHANGE**, the WEIGHT display flashes *good* twice. Quickly remove the weight from the platter during the automatic restart, so scale can properly zero during start up. Calibration process is finished for legacy RS-130/160 models.

- Wait for the WEIGHT display to show *on2* and UNIT PRICE display to show *0000.00*, then remove the weight from the scale platter.
- Press **ZERO** and wait for the WEIGHT display to flash *Good* twice. The scale performs an automatic restart, and the calibration process is finished.
- Disable JP1 to maintain the NTEP approval, if needed.

1.2 Set JP1 Jumper

Follow the steps below to set JP1 to the enable or disable position.

- Power off scale.
- Remove platter and plastic in-use cover.
- Remove lead-seal located in the center of the base.
- Remove the four screws from the base of the scale.
- Lift the cover away from the base toward the operator side.

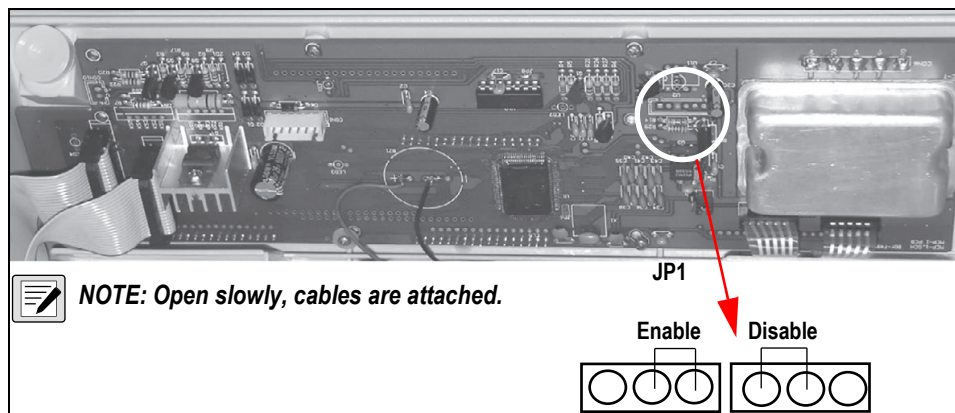


Figure 1-1. Jumper JP1 Location

Follow the steps below to reassemble the scale.

1. Place the cover on top of the base, ensuring that the sealing pin is aligned with the sealing pin hole in the base.
2. Tighten the four screws into the base of the scale.
3. Replace the lead seal in the center of the base over the sealing pin.
4. Replace the platter and plastic in-use cover.

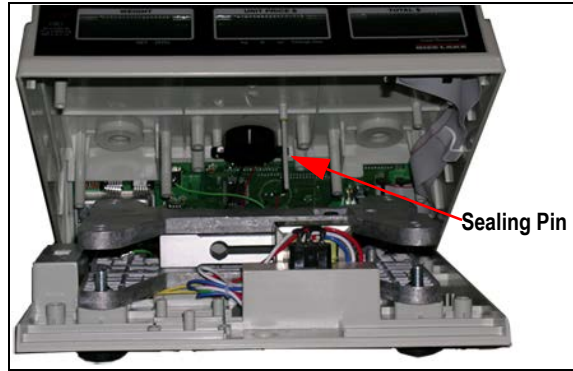



Figure 1-2. Sealing Pin




1.2.1 Simulate No Power Display

A dealer can use this function to show a user when the scales needs charging.

1. Turn on the scale while pressing  until 7. 4 displays (approximately three seconds).



NOTE: Older RS-130/RS-160 Models with the WEIGHT display will show 5. 3.

2. Press and hold  until 5EUP displays (approximately three seconds).
3. Press , USUPL displays.
4. Press , - 0. 00- displays in WEIGHT, - 0. 00- displays in UNIT PRICE \$, L 0- displays in TOTAL \$.

1.3 Astra

Follow the steps below to calibrate the Astra scale.

1. Turn the scale off.
2. Turn the scale on while pressing **1**. Release after the second beep. **C00 TEST** displays.
3. Press **1** followed by **↓**. **C01 HARD TEST** displays.
4. Press **ENTER** to enter the A/D menu (C01-01). **C01-01 AD DATA** displays.
5. Press **ENTER** to display the A/D counts. **C01-01-00 xxxx xxxx** (where xxxx are internal counts) displays.
6. With no weight on the platter, press **ZERO** to initialize the A/D values. **C01-01-00 2000 0** displays.

 **NOTE: The initial value should be 2000 ± 1 .**

7. Place 30 lb (15 kg if set as 15 x 0.005 kg) on the platter. **C01-01-00 32009 30009** displays.
8. If the calibration value is not 30000 ± 2 , press **TARE**. **C01-01-00 32000 30000** displays.
9. Save the calibration data by pressing the memory switch located behind the nylon screw next to the 9-pin serial connector.
10. Remove the weights.

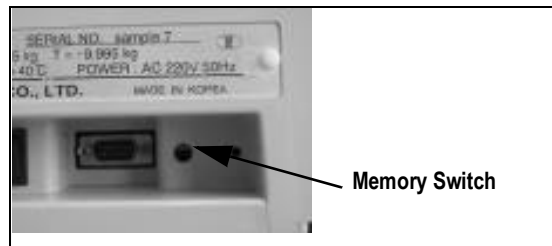


Figure 1-3. Memory Switch Location

11. Press **END** twice to return to the Hardware Test menu (C01). **C01 HARD TEST** displays.
12. Turn off the power to exit the **Test Mode**.

 **IMPORTANT: Do not use the RESET key to exit from Test Mode.**

1.4 AC-4000 B/E

Follow the steps below to calibrate the AC-4000 scale.

1. Turn the scale off.
2. Turn the scale on while holding down the 1 key until it beeps twice. **C00 TEST MODE** displays.
3. Key in 1 followed by the **DOWN ARROW**. **C01 HARDWARE TEST** displays.
4. Press the **ENTER** key to enter the A/D menu (C01-01). **C01-01 SCALE CALIBRATION** displays.
5. Press the **ENTER** key to display the A/D counts. **C01-01-00 xxxx xxxx** (where xxxx are internal counts) displays.
6. With no weight on the platter, press the **ZERO** key to initialize the A/D values. **C01-01-00 20000 0** displays.

 **NOTE: The initial value should be 20000 ± 1 .**

7. Place 30 lb (15 kg if set as 15 x 0.005 kg) on the platter. **C01-01-00 80000 60000** displays.
8. If the calibration value is not 80000 ± 2 , press the **TARE** key. **C01-01-00 80000 60000** displays.

9. Remove the weights.
10. Save the calibration data by pressing the memory switch located underneath the platter.

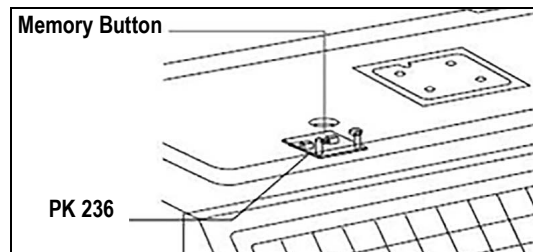


Figure 1-4. Memory Switch Location

11. Press the **END** key twice to return to the Hardware Test menu (C01). **C01 HARDWARE TEST** displays.
12. Turn off the power to exit the Test Mode.

IMPORTANT: Do not use the **RESET** key to exit from Test Mode.

1.5 BC-4000 L2/E

Follow the steps below to calibrate the BC-4000 scale.

1. Turn the scale off.
2. Turn the scale on while holding down the **1** key until it beeps twice. **C00 TEST MODE** displays.
3. Enter a **1** using the keypad and press the **DOWN ARROW**. **C01 HARDWARE TEST** displays.
4. Press the **ENTER** key to enter the A/D menu (C01-01). **C01-01 SCALE CALIBRATION** displays.
5. Press the **ENTER** key to display the A/D counts. **C01-01-00 xxxx xxxx** (where xxxx are internal counts) displays.
6. With no weight on the platter, press the **ZERO** key to initialize the A/D values. **C01-01-00 20000 0** displays.

NOTE: The initial value should be 20000 ± 1 . **C01-01-00 20000 0** displays.

7. Place 30 lb (15 kg if set as 15×0.005 kg) on the platter. **C01-01-00 32000 32000** displays.
8. If calibration value is not 80000 ± 2 , press the **TARE** key. **C01-01-00 80000 60000** displays.
9. Remove the weights.
10. Save the calibration data by pressing the **MEMORY SWITCH** located on the left side of the scale near the power switch behind the white nylon seal screw or under an Ishida sticker.



Figure 1-5. Memory Switch Location


11. Press the **END** key twice to return to the Hardware Test menu (C01). **C01 HARDWARE TEST** displays.
12. Turn off the power to exit the Test Mode.

IMPORTANT: Do not use the **RESET** key to exit from Test Mode.

1.6 SR-2000

Follow the steps below to calibrate the SR-2000 scale.

1. Press **MENU**.
2. Enter **495344** and press **TEST MODE**.
3. Select **CALIBRATION** from the list.
4. With no weights on the platter, press **ZERO** to initialize the calibration values.

 **NOTE: The initial A/D value should be 20000 ± 1.**

5. Place scale capacity weight on the platter.
6. If the span value is not 80000 ± 2, press **SPAN**.
7. Remove the weight.
8. Save the calibration data by pressing the **Memory Switch** located under the platter under a sealing screw.



Figure 1-6. Memory Switch Location


9. Press **MENU**. Verify the weight readings in operation mode.

1.7 Uni-3

Follow the steps below to calibrate the Uni-3 scale.

1. Enter **4000**, then press **Mode**. **< C00 ADJUST >** displays.
2. Enter **495344** and press **PLU** to access hidden menus. **< C00 ADJUST >** displays.
3. Enter **8**, then press **↓**. **C08 CALIBRATION** displays.
4. Press **Enter** to enter the A/D menu (C08-01). **C08-01 CAPACITY** displays.
5. Press **↓**. **C08-02 RANGE** displays.
6. Enter 0 or 1, then press **Enter** to specify the accuracy of the scale.
 - a. 0: SINGLE (0-30 x 0.01 lb)
 - b. 1: MULTI (0-15 x 0.005 LB, 15-30 x 0.01 LB)
7. Enter **10**, then press **↓** to enter **Span Calibration**. **C08-10** displays.




8. With no weight on the platter, press  to initialize the A/D values. **C08-10 20000 0.000** displays.

 **NOTE:** The initial value should be 20000 ± 1 .

9. Place scale capacity weight on the platter and press . **C08-10 80000 30.00** displays.
10. Remove the weight. **C08-10 20000 0.000** displays.
11. Save the calibration data by pressing the span button located on the left side of the scale behind the bottom hex screw. A long beep will sound after span button has been pressed.






Figure 1-7. Uni-3 SPAN Button Location

12. Press , then press  to exit. **C08 CALIBRATION** displays.
13. Press  twice to exit to the operation mode.
14. Verify the weight readings in operation mode.

1.8 Uni-5 and Uni-7

Follow the steps below to calibrate the Uni-5 and Uni-7 scale.

1. Press .
2. Enter **495344** and press  to access hidden menus.
3. Press .

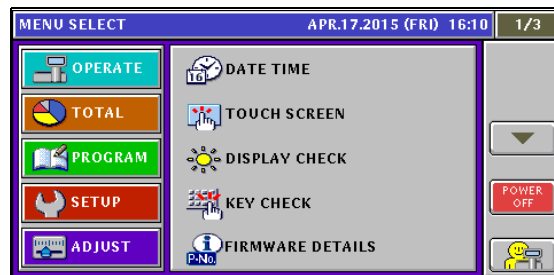



Figure 1-8. Uni-5 and Uni-7 Menu Select

4. Select **CALIBRATION** from the list.
5. To select Single Range or Multi Range:
Uni-5: Press **SINGLE** or **MULTI** as needed.
Uni-7: Enter **495344** and then press **SINGLE** or **MULTI** as needed.
6. With no weight on the platter, press  to initialize the A/D values.

 **NOTE:** The initial value should be 20000 ± 1 .

- Place scale capacity weight on the platter and press **SPAN**.

 **NOTE:** The A/D value should be 80000 ± 2 .

- Remove the weight.
- Save the calibration data by pressing the **Memory Switch** located underneath the platter.

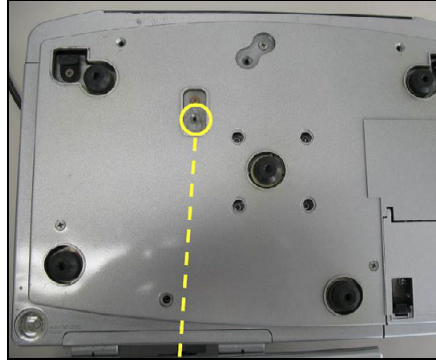






Figure 1-9. Uni-5 and Uni-7 Memory Switch location

- Press  and press **OK**.
- Verify the weight readings in operation mode.

1.9 Uni-9

Follow the steps below to calibrate the Uni-9 scale.

- Press .
- Press  and enter **495344**. Press the **PLU** key to access hidden menus.
- Press .

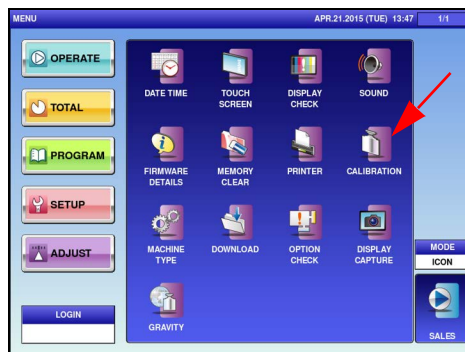



Figure 1-10. Select Calibration

- Select **CALIBRATION** from the list.
- Press **SINGLE** or **MULTI**, to select the range needed.
- With no weight on the platter, press  to initialize the A/D values.

 **NOTE:** The initial value should be 20000 ± 1 .

7. Place scale capacity weight on the platter and press **SPAN**.



NOTE: The A/D value should be 80000 ± 2 .

8. Remove the weight.
9. Save the calibration data by pressing the **Memory Switch** located underneath the platter.

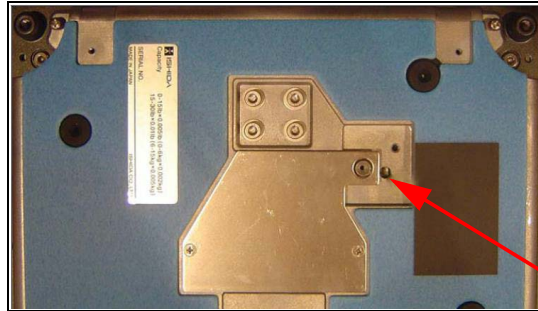



Figure 1-11. Uni-9 Memory Switch location

10. Press  in the upper right corner.

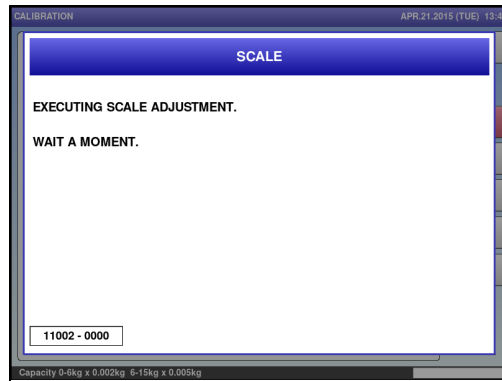


Figure 1-12. Executing Scale Adjustment

11. Verify the weight readings in operation mode.

2.0 Hanging Scales

2.1 BC-4000L2H

Follow the steps below to calibrate the BC-4000L2H scale.

1. Turn the scale off.
2. Turn the scale on while holding down the 1 key until it beeps twice. **C00 TEST MODE** displays.
3. Enter a 1 using the keypad and press the **DOWN ARROW**. **C01 HARDWARE TEST** displays.
4. Press the **ENTER** key to enter the A/D menu (C01-01). **C01-01 SCALE CALIBRATION** displays.
5. Press the **ENTER** key to display the A/D counts. **C01-01-00 xxxx xxxx** displays (where xxxx are internal counts).
6. With no weight on the platter, press the **ZERO** key to initialize the A/D values. **C01-01-00 20000 0** displays.



The initial value should be 20000 ± 1.

7. Place 30 lb (if set as 15 x 0.005 kg, use 15 kg) on the platter. **C01-01-00 80000 60000** displays.
8. If the calibration value is not 80000 ± 2, press the **TARE** key. **C01-01-00 80000 60000** displays.
9. Remove the weights from the scale.
10. Save the calibration data by pressing the memory switch located behind the brass seal bolt.



Figure 2-1. Calibration Button Location









11. Press the **END** key twice to return to the Hardware Test menu (C01). **C01 HARD TEST** displays.
12. Turn off the power to exit the Test Mode.



IMPORTANT: Do not use the RESET key to exit from Test Mode.

2.2 Uni-3L2H

Follow the steps below to calibrate the Uni-3L2H scale.

1. Enter **4000**, then press . **< C00 ADJUST >** displays.
2. Enter **495344**, then press  to access hidden menus. **< C00 ADJUST >** displays.
3. Enter **8**, then press . **C08 CALIBRATION** displays.
4. Press  to enter the A/D menu (C08-01). **C08-01 CAPACITY** displays.
5. Press the . **C08-02 RANGE** displays.
6. Enter **0** or **1**, then press  to specify the accuracy of the scale.
 - a. 0: SINGLE (0-30 x 0.01 lb)
 - b. 1: MULTI (0-15 x 0.005 LB, 15-30 x 0.01 LB)
7. Enter **10**, then press  to enter **Span Calibration**. **C08-10** displays.
8. With no weight on the platter, press  to initialize the A/D values. **C08-10 20000 0.000** displays.

 **NOTE:** The initial value should be 20000 ± 1 .





9. Place scale capacity weight on the platter and press . **C08-10 80000 30.00** displays.
10. Remove the weight. **C08-10 20000 0.000** displays.
11. Save the calibration data by pressing the span button located on the bottom of the scale behind the bottom hex screw. A long beep will sound after span button has been pressed.



Figure 2-2. Uni-3 SPAN button location

12. Press  and then  to exit. **C08 CALIBRATION** displays.
13. Press  twice to exit to the operation mode.
14. Verify the weight readings in operation mode.

2.3 Uni-7 Hanging

Follow the steps below to calibrate the Uni-7 hanging scale.

1. Press **Mode**.
2. Enter **495344** and press **PLU** to access hidden menus.
3. Press **ADJUST**.

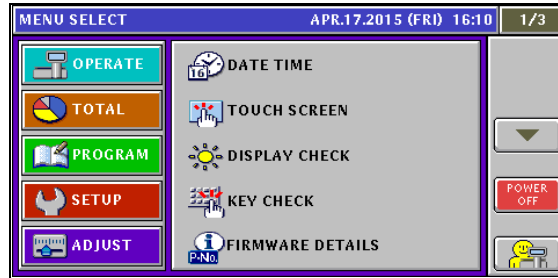


Figure 2-3. Uni-7 Menu Select

4. Select **CALIBRATION** from the list.
5. To select Single Range or Multi Range, enter **495344** and press **SINGLE** or **MULTI** as needed.
6. With no weight on the platter, press **ZERO** to initialize the A/D values.

 *The initial value should be 20000 ± 1.*


7. Place scale capacity weight on the platter and press **SPAN**.

 *The A/D value should be 80000 ± 2.*

8. Remove the weight.
9. Save the calibration data by pressing the **Memory Switch** located on top of the scale body near the mounting pole bracket. Remove the outside screw to access the button.






Figure 2-4. Uni-7 Memory Switch location

10. Press  in the upper right corner and press **OK**.
11. Verify the weight readings in operation mode.

2.4 Uni-9 Hanging

Follow the steps below to calibrate the Uni-9 hanging scale.

1. Press .
2. Press  and enter **495344** and press the **PLU** key to access hidden menus.
3. Press .

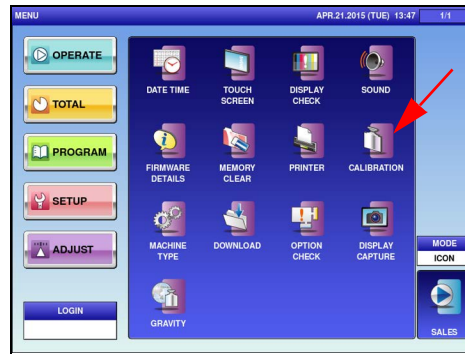




Figure 2-5. Select Calibration

4. Select **CALIBRATION** from the list.
5. Press **SINGLE** or **MULTI**, to select the range needed.
6. With no weight on the platter, press  to initialize the A/D values.

 *The initial value should be 20000 ± 1 .*

7. Place scale capacity weight on the platter and press .

 *The A/D value should be 80000 ± 2 .*

8. Remove the weight.
9. Remove outside screw to access the **Memory Switch** located on top of the scale body near the mounting pole bracket.
10. Save the calibration data by pressing the **Memory Switch**.

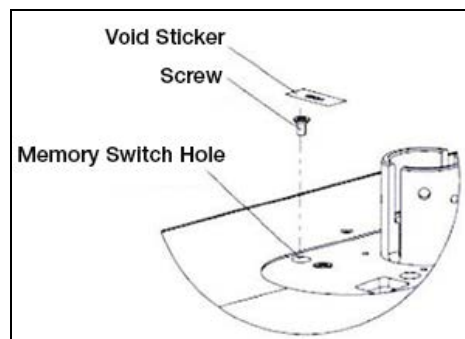


Figure 2-6. Uni-9 Memory Switch location

11. Press the  in the upper right corner.

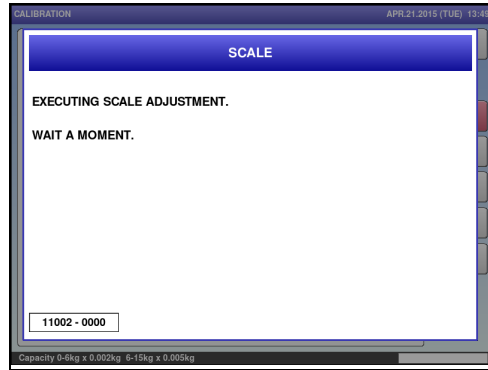


Figure 2-7. Scale Adjustment

12. Verify the weight readings in operation mode.

3.0 Wrapping Systems

3.1 BC-4000L2i/Ei

Follow the steps below to calibrate the BC-4000 scale.

1. Turn the scale off.
2. Turn the scale on while holding down the 1 key until it beeps twice. **C00 TEST MODE** displays.
3. Enter a 1 using the keypad and press the **DOWN ARROW**. **C01 HARDWARE TEST** displays.
4. Press the **ENTER** key to enter the A/D menu (C01-01). **C01-01 SCALE CALIBRATION** displays.
5. Press the **ENTER** key to display the A/D counts. **C01-01-00 xxxx xxxx** (where xxxx are internal counts) displays.
6. With no weight on the platter, press the **ZERO** key to initialize the A/D values. **C01-01-00 20000 0** displays.



NOTE: The initial value should be 20000 ± 1 .

7. Place 30 lb (15 kg if set as 15×0.005 kg) on the platter.
8. If calibration value is not 80000 ± 2 , press the **TARE** key. **C01-01-00 80000 60000** displays.
9. Remove the weights.
10. Save the calibration data by pressing the **Memory Switch** located on the left side of the main body of the scale. It is under the small white nylon seal screw or under an Ishida sticker.



Figure 3-1. Memory Switch location

11. Press the **END** key twice to return to the Hardware Test menu (C01). **C01 HARD TEST** displays .
12. Turn off the power to exit the Test Mode.



IMPORTANT: Do not use the **RESET** key to exit from Test Mode.

3.2 IP-EMZ/OMNI-4000

Follow the steps below to calibrate the IP-EMZ scale and the OMNI-4000 auto wrapper.

1. Press **MENU**.




Figure 3-2. Memory Switch Location

2. Enter **495344** and press **TEST MODE**.
3. Select **CALIBRATION** from the list.
4. With no weight on the platter, press **ZERO** to initialize the A/D values.

 **NOTE:** The initial value should be 20000 ± 1 .

5. Place scale capacity weight on the platter and press **SPAN**.

 **NOTE:** The A/D value should be 80000 ± 2 .

6. Remove the weight.
7. Save the calibration data by pressing the **Memory Switch**.

IP-EMZ – located underneath the platter, remove the small plastic rectangular cover and the seal bolt and metal cover.

OMNI-4000 – located under the package infeed conveyor, remove the metal plate and then the round adhesive decal.

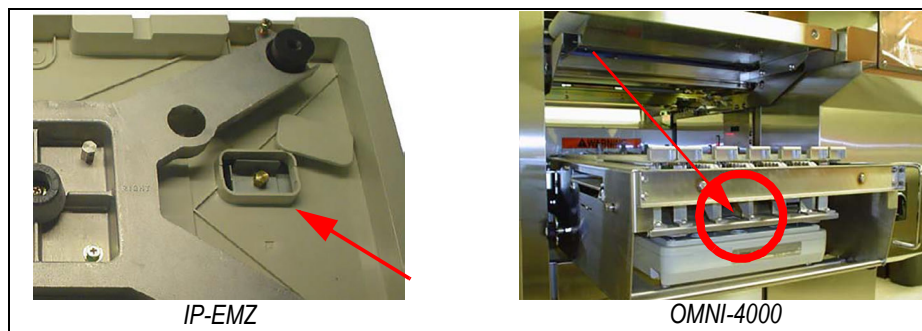




Figure 3-3. Memory Switch locations

8. Press **MENU**.
9. Verify the weight readings in operation mode.

3.3 IP-Ai

Follow these steps to calibrate the IP-Ai scale.

1. Press the  key.
2. Enter **495344** and press the **PLU** key to access hidden menu steps.
3. Select .

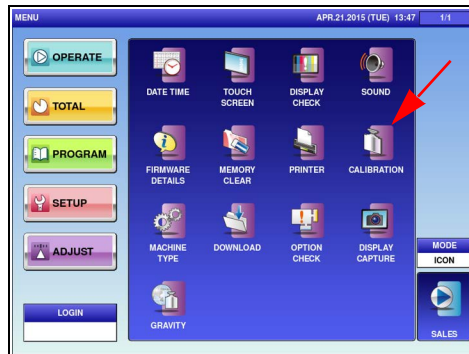




Figure 3-4. Select Calibration

4. Select **CALIBRATION** from the list.
5. Press **SINGLE** or **MULTI**, to select the range needed.
6. With no weight on the platter, press  to initialize the A/D values.

 **NOTE:** The initial value should be 20000 ± 1 .

7. Place scale capacity weight on the platter and press .

 **NOTE:** The A/D value should be 80000 ± 2 .

8. Remove the weight.
9. Save the calibration data by pressing the **Memory Switch** located underneath the platter, remove the small plastic rectangular cover and the seal bolt and metal cover.

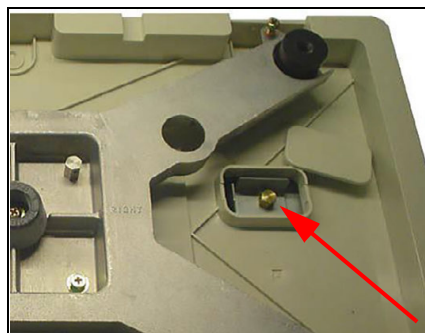


Figure 3-5. Memory Switch Location

10. Press the  in the upper right corner.

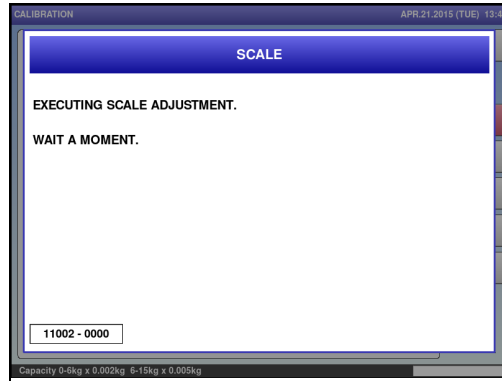



Figure 3-6. Scale Adjustment Screen

11. Verify the weight readings in operation mode.

3.4 Uni-7 RP

Follow the steps below to calibrate the Uni-7 RP scale.

1. Press **Mode**.
2. Enter **495344** and press **PLU** to access hidden menus.
3. Press .

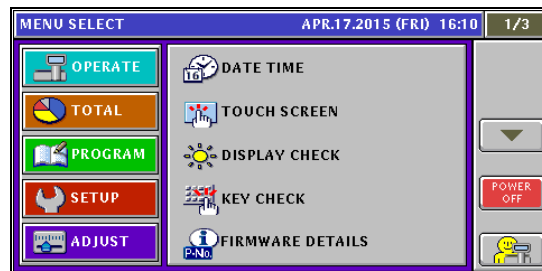



Figure 3-7. Menu Select

4. Select **CALIBRATION** from the list. The RP unit comes set as kg, it is necessary to switch to lb.
5. Enter **495344**.
6. Press the **CAPACITY** field on the screen and edit the capacity to 30 lb.
7. To select Single Range or Multi Range, enter **495344** and then press **SINGLE** or **MULTI** as needed.
8. With no weight on the platter, press **ZERO** to initialize the A/D values.

 **NOTE:** The initial value should be 20000 ± 1 .

9. Place scale capacity weight on the platter and press **SPAN**.

 **NOTE:** The A/D value should be 80000 ± 2 .

10. Remove the weight.

11. Save the calibration data by pressing the **Memory Switch** located underneath the platter in the scale base. Remove the small plastic rectangular cover and the seal bolt and metal cover.

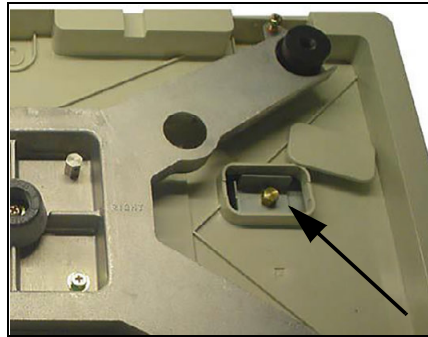






Figure 3-8. Uni-7 RP Memory Switch location

12. Press  in the upper right corner and press **OK**.
13. Verify the weight readings in operation mode.

3.5 Uni-9 RP

Follow the steps below to calibrate the Uni-9 scale.

1. Press the  key.
2. Press  and enter **495344**, then press the **PLU** key to access hidden menus.
3. Press .

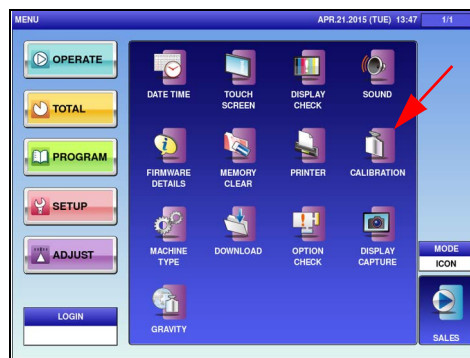




Figure 3-9. Uni-9 Menu

4. Select **CALIBRATION** from the list.
5. Press **SINGLE** or **MULTI**, to select the range needed.
6. With no weight on the platter, press  to initialize the A/D values.

 **NOTE:** The initial value should be 20000 ± 1 .

7. Place scale capacity weight on the platter and press .

 **NOTE:** The A/D value should be 80000 ± 2 .

8. Remove the weight.

- Save the calibration data by pressing the **Memory Switch** located behind a white plastic plug on the side of the remote scale base.



Figure 3-10. Uni-9 RP Memory Switch location

- Press the  in the upper right corner.

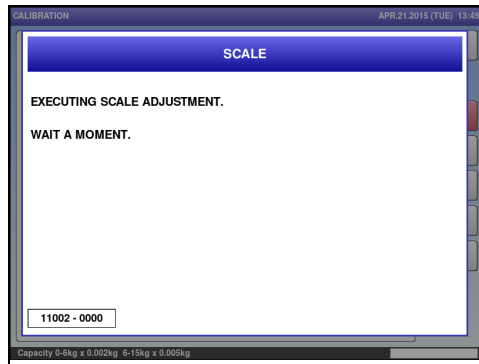



Figure 3-11. Scale Adjustment Execution

- Verify the weight readings in operation mode.

3.6 WM-Nano

Follow the steps below to calibrate the WM-Nano wrapper.

- Press the **MODE** key.
- Enter **495344** and press the **PLU** key to access hidden menus.
- Press .

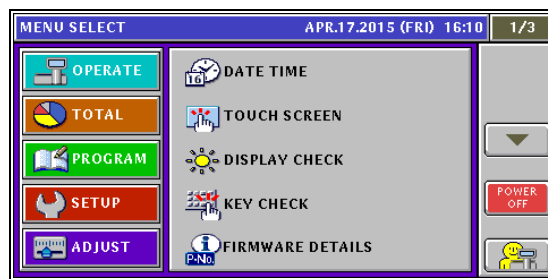



Figure 3-12. Menu Select

- Select **CALIBRATION** from the list.
- Enter **495344** and press **SINGLE** or **MULTI** as needed.

- With no weight on the platter, press **ZERO** to initialize the A/D values.

 **NOTE:** The initial value should be 20000 ± 1 .

- Place scale capacity weight on the platter and press **SPAN**.

 **NOTE:** The A/D value should be 80000 ± 2 .

- Remove the weight.
- Save the calibration data by pressing the **Memory Switch** located underneath the in-feed platter and catch tray, next to the leveling bubble. Remove the left side in-feed cover and L plate to gain access to the button.



Figure 3-13. WM-Nano Memory Switch location

- Press the **RETURN ARROW** in the upper right corner and press **OK**.
- Verify the weight in readings in operation mode.

3.7 WM-4000

Follow the steps below to calibrate the WM-4000 auto wrapper.

- Press the **MENU** key.



Figure 3-14. WM-4000 Main Screen

- Enter **495334** and press the **TEST MODE** key.

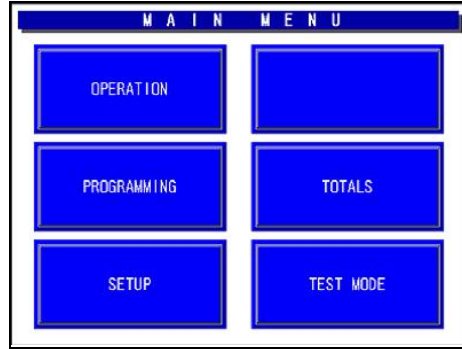


Figure 3-15. WM-4000 Main Menu

- Select **CALIBRATION** from the list.

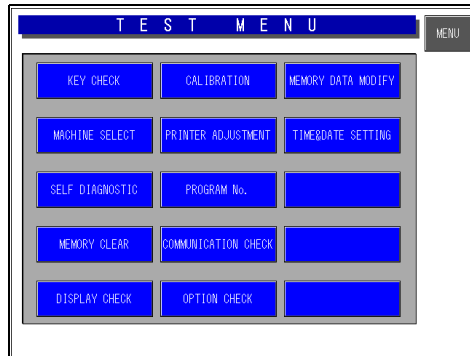


Figure 3-16. Test Menu

- With no weight on the platter, press the **ZERO** key to initialize the A/D values.

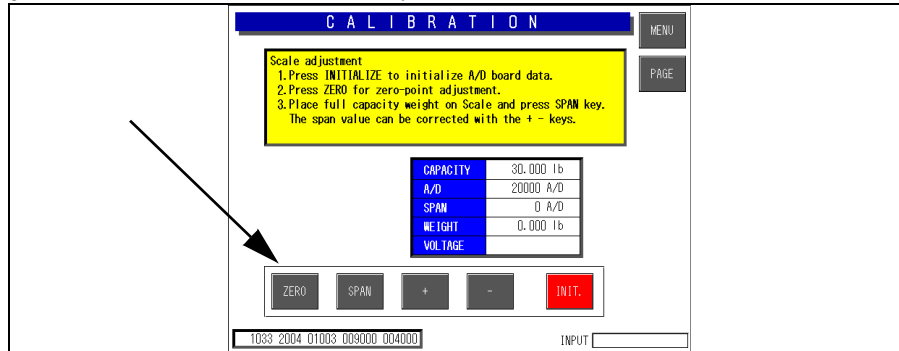


Figure 3-17. Calibration Screen



NOTE: The initial value should be 20000 ± 1 .

- Place the scale capacity weight on the platter and press the **SPAN** key.

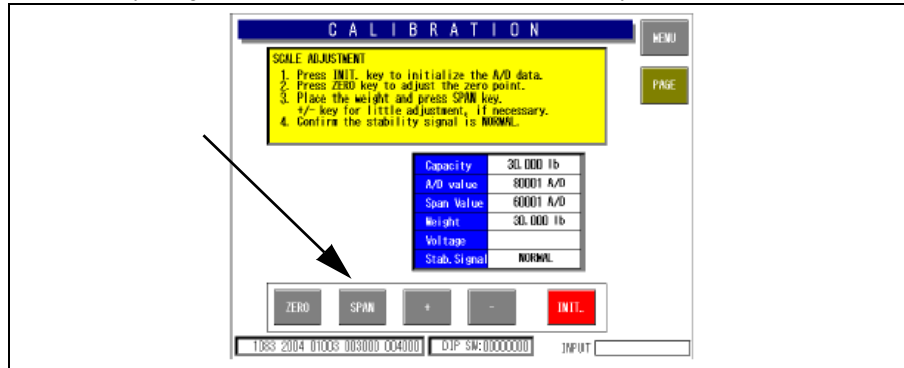


Figure 3-18. Calibration Screen

- Remove the weight.
- Save the calibration data by pressing the **Memory Switch** located underneath the infeed platter and catch tray, next to the leveling bubble.

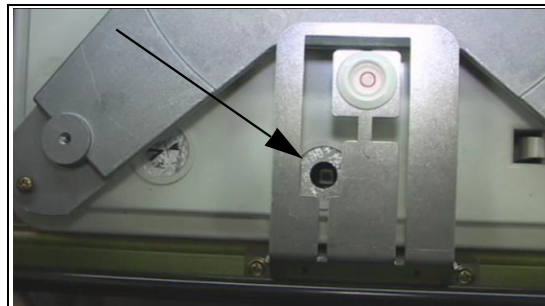




Figure 3-19. WM-4000 Memory Switch location

- Press the **MENU** key.
- Verify the weight readings in operation mode.

3.8 WM-Ai

Follow these steps to calibrate the WM-Ai auto wrapper.

- Press the  key.
- Enter **495344** and press the **PLU** key to access hidden menu steps.
- Press .

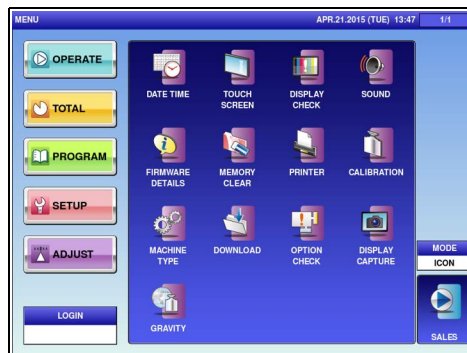


Figure 3-20. WM-Ai Menu

- Select **CALIBRATION** from the list.
- Press **SINGLE** or **MULTI**, to select the range needed.

6. With no weight on the platter, press **ZERO** to initialize the A/D values.

 **NOTE: The initial value should be 20000 ± 1.**

7. Place scale capacity weight on the platter and press **SPAN**.

 **NOTE: The A/D value should be 80000 ± 2.**

8. Remove the weight.
9. Save the calibration data by pressing the **Memory Switch** located underneath the platter. Remove blue platter and white plastic seal screw to access the switch.

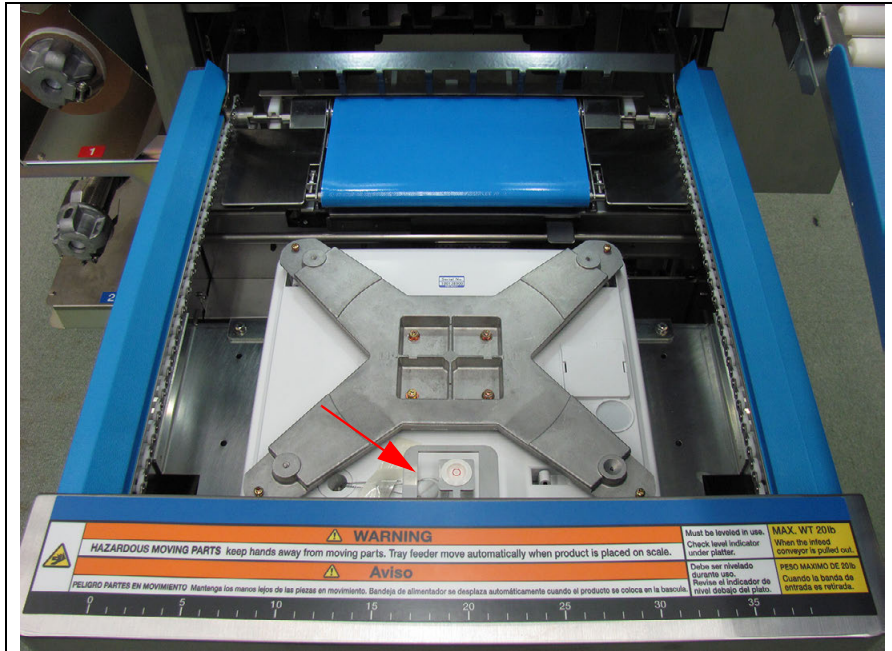


Figure 3-21. WM-Ai Memory Switch Location

10. Press the  in the upper right corner.

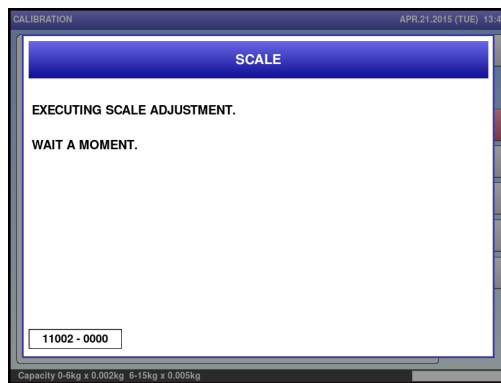


Figure 3-22. Scale Adjustment Display

11. Verify the weight readings in operation mode.



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