Industrial Weighing Systems

9 Richmond St. Picton, ON Canada K0K 2T0

Ph: 613-786-0016 Cell: 613-921-0397 Fax: 613-476-5293

E-mail info@iwsystems.ca **Website:** www.iwsystems.ca

This document shows calibration instructions extracted from Manuals we have on file that may not necessarily match your current model.
For your reference only.

IWSystems provides repair services to instruments and load cells

On site calibrations

For additional information please contact us.

SETUP AND CALIBRATION

Your 204 indicator has been thoroughly tested and calibrated before being shipped to you. If you receive the indicator with a scale, calibration is not necessary. If the indicator is being connected to a scale for the first time or recalibration is necessary for other reasons, proceed as indicated.

Calibration of the 204 indicator is accomplished entirely by the keypad. To enter the setup and calibration mode:

1. With the power off, remove the Calibration Access Screw on the upper left corner of the rear panel, see Figure No.8.
2. With the screw removed, insert a small non-metallic tool into the screw hole and press and hold the calibration switch.
3. Press the **ON/OFF** key.
4. The display will show *int*. The indicator is now ready for setup and calibration.

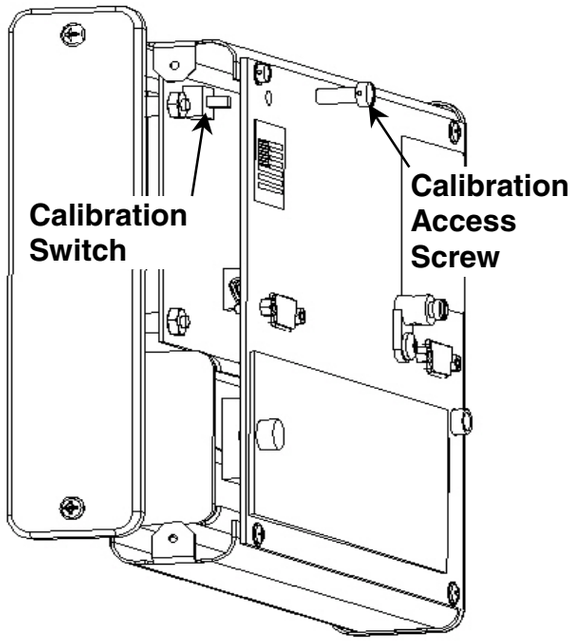

Figure No. 8

During the setup and calibration process it will be necessary to enter operational parameters via the 204's keyboard. Pressing the **PRINT** key will cause the data entered or displayed to be retained and the 204 will advance to the next prompt. The cursor location is identified by the blinking character and can be advanced to the left to the next position by pressing the **ASTERISK** key. Pressing the **UNITS** key will change the blinking character to the next value.

Scale Interval

With the display showing *int=* press the **ASTERISK** key to show the current setting. Press the **UNITS** key until the proper scale interval (1, 2, 5 or 10) is displayed, then press the **PRINT** key to store the displayed value and proceed to the next prompt.

Flash

To display *FLASH*, press the calibration switch while the display is showing the prompt *int=* (Scale Interval). With the display showing *FLASH*, press the **PRINT** key. The display will change to show *0* (0=NO). Press the **PRINT** key to proceed to the next prompt *Unit=* (Weighing Units). To return to the *int=* prompt, start the setup and calibration process over.

THE FLASH UPDATE OPTION WILL BE AVAILABLE IN FUTURE RELEASES OF THE 204 ABOVE REV 2.0 / AND A FUTURE RELEASE OF NCONTROL REV 2.0 OR GREATER.

Weighing Units

With the display showing *Unit=* press the **UNITS** key to show the current setting. If the value shown is acceptable, press the **PRINT** key again to save it, otherwise press the **UNITS** key to enter the new weighing units and press the **PRINT** key to save the new setting.

0 = None	3 = Pounds/Kilograms	6 = Grams Only
1 = Pounds Only	4 = Kilograms/Pounds	
2 = Kilograms Only	5 = Ounces Only	

SETUP AND CALIBRATION, Cont.

Decimal Point Location

With the display showing dPP= press the **ASTERISK** key to show the current setting. Press the **UNITS** key until the number corresponding to the desired decimal point position is displayed. Press the **PRINT** key to store this setting and proceed to the next step.

0 = XXXXX 1 = XXXX.X 2 = XXX.XX 3 =X X.XXX

Scale Capacity

With the display showing CAP= press the **ASTERISK** key to show the current setting. Press the **UNITS** key to enter the proper digit at the blinking location. Press the **ASTERISK** key to step to the left and the next digit location. Repeat the process until all digits of the capacity have been entered. Should you make a mistake and press the **ASTERISK** key with an incorrect digit entered, it will be necessary to press the **ASTERISK** key until the blinking character returns to the proper location, then use the **UNITS** key to enter the correct digit. After all digits have been correctly entered, press the **PRINT** key to store the capacity and advance to the next step.

Calibration

With the display showing CAL= press the **ASTERISK** key. The display will change to show the current setting 0 (0=NO). If the scale has been previously calibrated and you wish to skip calibration and proceed to trA=, the Zero Tracking Range, simply press the **PRINT** key and the internal calibration factor will be retained.

To begin calibration, press **UNITS** to select 1 (1=YES), then press the **PRINT** key. After pressing the **PRINT** key the display will change to LOAd=.

Load Calibration Weight

The display will now indicate LOAd= which is a prompt for the entry of the calibration weight value and placement of this amount of test weights on the scale platform.

1. Make certain the scale platform is empty and free of debris, then place the desired amount of calibrated test weights on the scale platform. It is recommended that a minimum of 50% of the scale's capacity be used but 70% to 100% is preferred.
2. Press the **PRINT** key.
3. Determine the exact amount of test weights to be placed on the scale platform and enter this value into the 204 by using the **UNITS** and **ASTERISK** keys in the same manner used to enter the scale's capacity. Verify that the numbers entered are the same as the total weight of test weights, and the least significant digit agrees with the scale interval.
4. Press the **PRINT** key.

After a moment the display will indicate the message unLOAd which is a request that the test weights be removed from the scale platform. Remove the weights then press the **PRINT** key. The calculated calibration factor is now stored in the 204's nonvolatile memory.

Zero Tracking Range

The display will now indicate trA=. Press the **ASTERISK** key to show the value assigned to the Automatic Zero Tracking Range. This is the value in scale divisions that will be automatically zeroed off. Values of 1 through 18 (1 to 9 divisions by 0.5 divisions) are available for the zero tracking range. Entry of two zeros (00) will disable the zero tracking feature. Use the **UNITS** key to step through these available values. Once the proper value is shown press the **PRINT** key to store the value.