

MCS CAL.

Calibration

All MCS Series scales may be calibrated with any precision test weight from 1% scale capacity to 100% of scale capacity. Avoirdupois scales must be calibrated in pounds. Metric scales must be calibrated in kilograms. The recommended test weight is about 2/3 of scale capacity, but in general, the larger the test weight, the more accurate the scale will be.

To calibrate the scale:

1. Turn the scale off. Press and hold down the **ZERO** key (*not* the "0" key) while turning the scale back on. When the message "C 0" appears on the display briefly, you may release the **ZERO** key.

Note: Some later model scales will first prompt "O Zone" before showing the "C 0" Message and value mentioned, if this is the case, simply press the **SAMPLE** key Once to continue.

The scale displays a value which remains on the screen. Allow a 20 minute warm-up period for the load cell and electronic components to become thermally stable.

2. Press **ZERO** to zero the value, then press the **SAMPLE** key to save the zero point value.
3. The display will momentarily prompt "C 1" for the span calibration, followed by "0.0000" or "0.000" depending on scale capacity. Place the test weight on the platform.
4. Use the numeric keys to enter the test weight value. Please note that the decimal point is fixed so that if you are entering, for example, 5 lb, you need to type "5" followed by zeroes until the "5" is to the left of the decimal point.
5. After entering the exact value, press the **SAMPLE** key to save the value.
6. If the calibration was successful, the display will show "ECAL" momentarily, then automatically enter Normal Operating Mode by performing a countdown test. Remove the test weight from the platter.
7. If the calibration was *not* successful, one of the error messages below will appear. Take the indicated action to correct the problem, then perform a new calibration.

"Err0" - The calibration test weight or the keyed-in weight is larger than the scale capacity. Change the calibration test weight or check the keyed-in weight.

"Err1" - The calibration test weight or the adjusted keyed-in weight is smaller than 1% of the scale capacity. Change the calibration test weight or check the keyed-in weight.

"Err2" - Check keyed-in weight with the actual weight placed on platform.



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