

## Changing the Sensor Zero Value

To change the sensor zero value we need to change the temperature control settings in the software of the CAL 3300 temperature programmer.

This programming is achieved by a combination of instructions entered by the three buttons on the front of the CAL 3300.



With the unit switched on the CAL 3300 will display the actual temperature measured at the temperature sensor.

1. Simultaneously press and hold the ▼ & ▲ keys for approx 3 seconds. The display will change from the measured temperature to a two page scrolling display - "tune" and "off".
2. Press the ▼ key once and the two page scrolling display will now read "LEVL" & "1".
3. Hold the ★ key and momentarily press the ▲ key twice so that the display reads "3". Release the ★ key. The two page scrolling display will now read "LEVL" & "3".
4. Momentarily press the ▲ key many times (11?) until the display shows "Ver". The two page scrolling display will now read "Ver" & "392".
5. Simultaneously press and hold the ▼ & ▲ keys for a long time (13 seconds?). The display will now scroll between "LoCK" and "ALL".
6. Hold the ★ key and momentarily press the ▼ key three times so that the display reads ""nonE". Release the ★ key. The two page scrolling display will now read "LoCK" & "nonE".
7. Momentarily press the ▲ key once so that the display reads "LEVL". The two page scrolling display will now read "LEVL" & "4".
8. Hold the ★ key and momentarily press the ▼ key once so that the display reads ""3". Release the ★ key. The two page scrolling display will now read "LEVL" & "3".
9. Momentarily press the ▲ key many times (7?) so that the display reads "ZEro". The two page scrolling display will now read "ZEro" & "x (Current Value)".

10. Hold the \* key and momentarily press either the ▼ or ▲ key until this number becomes y ( $x + \text{measured difference between temperature thermometer and controller}$ ). The two page scrolling display will now read "ZEro" & "y (New Value)".
11. Now the zero offset has been changed and the temperature display on the front of the CAL 3300 will agree with the measured temperature once tasks 11-15 have been completed.
12. Momentarily press the ▲ key four times until the display shows "Ver". The two page scrolling display will now read "VEr" & "392".
13. Simultaneously press and hold the ▼ & ▲ keys for a long time (13 seconds?). The display will now scroll between "LoCK" and "nonE".
14. Hold the \* key and momentarily press the ▲ key three times so that the display reads ""ALL". Release the \* key. The two page scrolling display will now read "LoCK" & "ALL".
15. Simultaneously press and hold the ▼ & ▲ keys for approx 3 seconds. The display will change back to the measured temperature.