P/N 213367
AFD-200 & AFS-100
Load Cell Board

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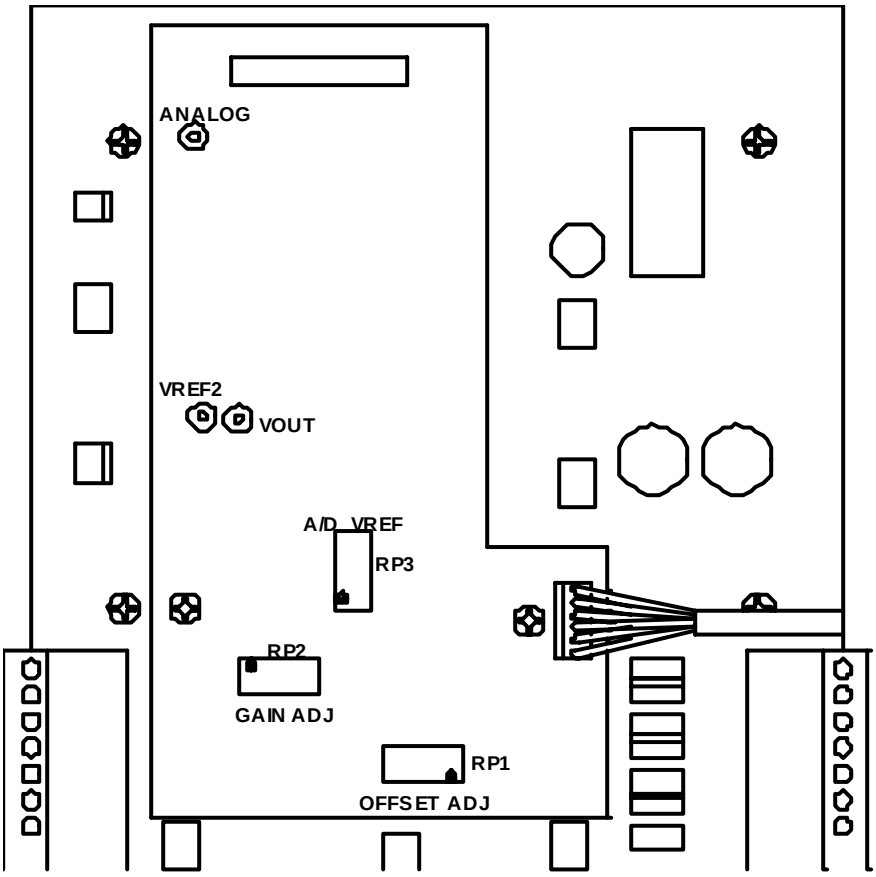
AFD-200/AFS-100 LOAD CELL CALIBRATION

Tools required: Small, standard adjustment screwdriver, Volt meter and pencil eraser.

Note: The LOAD CELL board is "L" shaped and piggy backed on the upper section of the Dispenser I/O board. The LOAD CELL board Test Points are on the left edge and labeled: *"ANALOG", "VOUT" and VREF2".*

**Steps 2 and 3 are applicable to AFD-200 only.



1. Remove the hopper from the dispenser.
2. Remove the upper back panel of the dispenser.
3. Verify the BASKET LOAD OFFSET ADJUSTMENT switches are in the OFF position.
4. Remove the lower back panel of the dispenser.
5. Trip the circuit breaker for the drum motor and cycle a basket through the dispenser to empty the accumulator doors.
6. Unplug load cell Molex connector from load cell board and clean the contact pins with a pencil eraser. Reconnect the load cell harness.
7. Using the digital voltmeter, connect the negative "BLACK" lead to the test point labeled ANALOG.
8. Connect the positive "RED" lead to the test point labeled VREF2.
9. Turn the potentiometer labeled RP3 "A/D VREF" until the meter indicates 2.4 VDC.
10. Connect the positive "RED" lead to the test point labeled "VOUT".
11. Turn potentiometer RP1 "OFFSET ADJ" until the meter indicates 0 VDC +/- .010. Reading may drift +/- 0.003 and still be acceptable.
12. Place a 2 pound weight on the accumulator doors. (e.g.Eight 4:1 patties OR 2-16 oz blocks of butter)
13. Turn potentiometer RP2 "GAIN ADJ" until the meter indicates 4.8 VDC.
14. Remove the 2 pound weight and verify that the meter returns to 0 VDC +/- .010.
15. The LOAD CELL is now calibrated.
16. Reset the circuit breaker for the drum motor by pressing the black button.
17. Install the upper and lower back panels on the dispenser.
18. Install the hopper on the dispenser and put unit back in operation.