

TECHNICAL NOTE ADDENDUM**CHECKING THE ACCURACY OF YOUR PREG-ALERT®**

The calibration of the *PREG-ALERT* is carefully adjusted at the factory, using the most sophisticated test equipment for the optimum accuracy, and should never need readjustment. An informal test for accuracy may be done for all four positions of the function switch by the use of the RENCO 25mm Test Cylinder and a glass filled with 8 in. (20cm) of water. Should there be a need for recalibration, the instrument must be returned to the factory.

CHECKING THE "S" and "C" POSITIONS

Fill a glass with, as accurately as possible, 8 inches of water, and with the function switch in either the **S** or the **C** position, place the probe lightly on the surface of the water. As with the case of checking for pregnancy, we are concerned only with the "Zones" on the bottom of the screen, and not the scales on the top. Adjust the sensitivity control for the clearest spike and the least amount of noise (fewest spikes). You should see a major spike in about the middle of **Zone 3**, regardless of whether you are testing either the **S** or **C** position. The exact position of this spike will depend on the actual depth of the water, and whether or not the probe is resting on the surface or partially immersed. Air bubbles in the water will add additional spikes, and the curvature of the bottom of the container used will sometimes add an additional spike. This test does not need to be "exact", as there is latitude in testing for pregnancy.

CHECKING THE "B" and "L" POSITIONS

The test block is required for checking the accuracy of either the **B** or **L** positions. This plastic cylinder is 1 in. (2.54cm) in diameter and precision ground to a length of 1.762 in. (4.4755cm), and has a small hole in the center. The hole merely serves as a trigger. A properly calibrated instrument will read 25mm when the probe is applied to the end of the block. (The same block is used with the **RENCO LEAN-MEATER®**, a digital backfat measuring device.)

B POSITION

With the function switch set to "**B**", place a little water or oil on the surface of the probe, and then apply the probe to either end of the plastic block. Adjust the sensitivity to show only two major spikes. The spike farthest from the left should read 25mm (± 1 division) on the "**B**" scale. The other doesn't matter.

L POSITION

With the function switch in the "**L**" position, using the same procedure as above, the spike farthest to the right should read 7 mm (± 1 division) on the "**B**" scale. **IMPORTANT NOTE:** Due to the increased depth measuring capabilities of the "**L**" position, for checking accuracy only, we must use the "**B**" scale for this test, as it would be very cumbersome to work with a piece of plastic long enough for deeper measurement.