

IMPORTANT

- Calibrating the actual chamber temperature to the temperature displayed on the controller should only be done if the chamber's temperature, as measured by a known accurate device, is off by more than the stated tolerance of your Lab Oven.
- **The most accurate calibration possible for any digital unit is at the center of the chamber (with the chamber empty).** Therefore, calibrate the control to the center of the chamber using an accurate temperature measuring device.

How to Calibrate your Digital Lab Oven to an Independent Temperature Probe

The Lab Oven's controller offset value has been input at the factory to match each individual oven's true internal chamber temperature when measured at the center of the oven using an NIST (National Institute of Standard and Technology) traceable temperature box. Over time this offset value may need to be adjusted. If an offset needs to be performed in the field, follow the steps below to calibrate your oven.



STEP 1

Place your independent temperature probe at the center of your oven and record the temperature for the controller and your independent probe as shown in FIG. A.

STEP 2

On the controller press the  button once and then press the  once to display the **2.5** parameter as shown in FIG. B.


STEP 3

Using the   arrow keys, input the difference recorded between the center of the oven and the controller.

EXAMPLE:

If the digital controller reads 150°F and the Independent probe placed at the center reads 155°F, on the controller access the **2.5** parameter and add (+) the 5°F difference to the number that's already on this parameter to match the 155°F.

STEP 4

When on the **2.5** parameter, press the  once to return to the main temperature display.

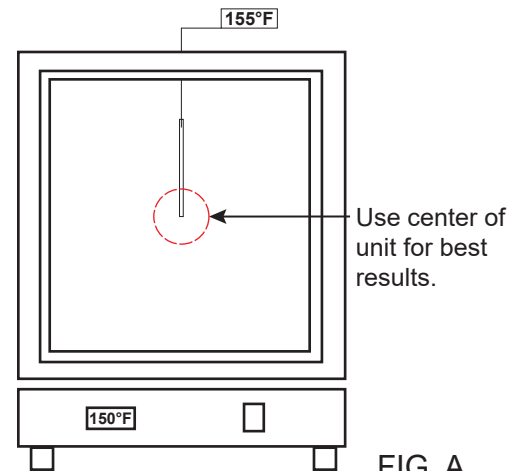


FIG. A

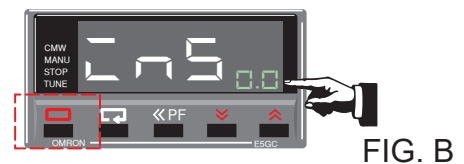




FIG. B

 Once a temperature adjustment has been made, allow the oven some time to stabilize before making any subsequent adjustments.

 The temperature difference between the controller and your independent probe can be a positive or negative number.

Technical Support

For further assistance with your incubator call or email us and we will be happy to assist you.

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