

IMPORTANT

- Calibrating the internal 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 incubator.
- **The most accurate calibration possible for any digital unit is at the center of the chamber (with the chamber empty).** Therefore, calibrate the controller to the center of the chamber using an accurate temperature measuring device.

How to Calibrate your Digital Incubator to an Independent Temperature Probe

The incubator controller offset value has been input at the factory to match each individual incubator's true internal chamber temperature when measured using a 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 incubator.



STEP 1

Place your independent temperature probe at the center of the incubator 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  parameter as shown in FIG. B.



STEP 3

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

EXAMPLE:

If the digital controller reads 37°C and the Independent probe placed at the center reads 39°C, on the controller access the  parameter and add (+) the 2°C difference to the number that's already on this parameter to match the 39°C.

STEP 4

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

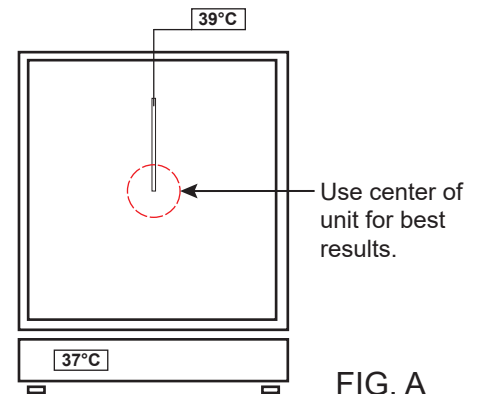




FIG. A



FIG. B

 Once a temperature adjustment has been made, allow the incubator 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.

Visit us on the web at www.quincylab.com

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