Nurture Right 360™ Temperature and Humidity Calibration Instructions

TEMPERATURE READING CALIBRATION

1) Press and hold the three buttons “MNUE” “+” and “-“ simultaneously for 5 seconds to enter *temperature calibration mode*. Upon entering temperature calibration mode, the red “C 0.0” on the incubator’s screen will blink. If temperature calibration is not required, skip to step 2 to for *humidity calibration mode*.

Secondary Thermometer Displays a Higher Temperature

a) If the incubator’s temperature reading is higher than the actual temperature inside the incubator, i.e. incubator’s screen displays 99.5°F, but your thermometer displays 98.5°F, then press the “-“ button to decrease the temperature reading. Each press of the “-“ button will decrease the temperature reading by 0.5°F. For example, after pressing the “-“ button twice, the incubator will show “C - 1.0”, with the “1.0” referring to a decrease in the temperature reading by 1.0°F. Continue to press the “-“ button until the incubator’s temperature reading matches the temperature reading of the thermometer. Note the “-“ on the incubator’s screen between “C" and “1.0” indicates that the temperature reading is being decreased.

Secondary Thermometer Displays a Lower Temperature

b) If the incubator’s temperature reading is lower than the actual temperature inside the incubator, i.e. incubator’s screen displays 99.5°F, but your thermometer displays 100.5°F, then press the “+“ button to increase the temperature reading. Each press of the “+“ button will increase the temperature reading by 0.5°F. For example, after pressing the “+“ button twice, the incubator will show “C 1.0”, with the “1.0” referring to an increase in the temperature reading by 1.0°F. Continue to press the “+“ button until the incubator’s temperature reading matches the temperature reading of the thermometer. Note the lack of a “-“ (blank space) on the incubator’s screen between “C" and “1.0” indicates that the temperature reading is being increased.

2) The maximum temperature calibration adjustment is +/- 2.5°F. After completing the temperature calibration press the “MENU” once to finish temperature calibration and to enter *humidity calibration mode.* Upon entering humidity calibration mode, the green humidity reading on the incubator’s screen will blink.

HUMIDITY READING CALIBRATION

3) Similar to the process for calibrating the temperature reading, the “+” or “-“ buttons can be used to adjust the humidity reading. If humidity calibration is not required, skip to step 4 to exit calibration mode.

Secondary Humidity Sensor Displays a Higher Humidity

a) If the incubator’s humidity reading is lower than the actual humidity inside the incubator, i.e. the incubator’s humidity reading shows 55% but the humidity sensor shows 60%, then press the “+” button to decrease the reading from 55 to 50%. Continue to press the “+“ button until the incubator’s humidity reading matches the humidity reading of the humidity sensor.

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Secondary Humidity Sensor Displays a Lower Humidity

b) If the incubator's humidity reading is higher than the actual humidity inside the incubator, i.e. the incubator's humidity reading shows 55% but the humidity sensor shows 50%, then press the "-" button to decrease the reading from 55 to 50%. Continue to press the "-" button until the incubator's humidity reading matches the humidity reading of the humidity sensor.

4) The max humidity reading calibration adjustment is +/- 9%. After completing the humidity calibration, press the "MENU" button once to exit calibration mode. The calibration process is now complete.

NOTES

Selecting a Secondary Thermometer for Calibration

- Liquid thermometers are recommended for temperature calibration
- Larger size digital thermometers may cause errors during the temperature calibration process. They may measure a lower temperature than the actual temperature inside the incubator. This is due to the following factors:
    - The larger size of the digital thermometer will affect or block the airflow inside the incubator
    - The temperature sensor of a digital thermometer is located inside a plastic housing and not directly exposed to the warm air inside the incubator

Positioning a Secondary Thermometer Inside the Incubator

- A liquid thermometer cannot be placed directly on the gray egg tray. A liquid thermometer needs to be elevated to the height of the top of the egg.
- The secondary thermometer cannot be placed near the clear window or directly touching the clear window, as this may skew the reading
- The secondary thermometer cannot be placed in the center of the incubator directly under the fat inlet as this will affect the airflow and may skew the reading
- The recommended location for a secondary thermometer is between the outer and inner circle of eggs
- It is not recommended to leave the secondary thermometer inside the incubator for the duration of the incubation process

For further assistance, please call 1-800-690-9908 or email Questions@mannapro.com