

Calibrating the thermocouples of a HB3000

To calibrate the 4 thermocouple, found on the outside of the furnace successfully the following items are needed:

- Calibration Cube
- 20 CC of water
- A Thermocouple datalogger
- A thermocouple

Start by opening the calibration cube, do this with utmost care because the legs will break if not.

Next, insert the corresponding thermocouples into the holes, followed by the datalogger thermocouple which goes into the centre hole. Make sure that each thermocouple has at least a centimetre of wire on the underside of the lid. And with the wire all properly seated, the water can be added to the cube. Let the thermocouple get to the temperature of the water, this will take about a minute. In the meantime, go to the settings page on the screen. Then go to Thermocouples.

First tap "Enter" without anything in text field, this is an extra safety measure.

Now the PIN code can be inserted "**4123**" followed by hitting "Enter" again. Upon opening the screen the value may all be empty, please wait patiently for the oven to represent the values. If this process takes over a minute and still doesn't show the offset values, use the "Refresh" button.

When the values are loaded in use the "+" and "-" to adjust each of the offsets to the value upon the datalogger. If the thermocouples are adjusted to the corresponding offsets, use the "Back" button to store these and go back to settings page.

