

Service manual.

STCi-02



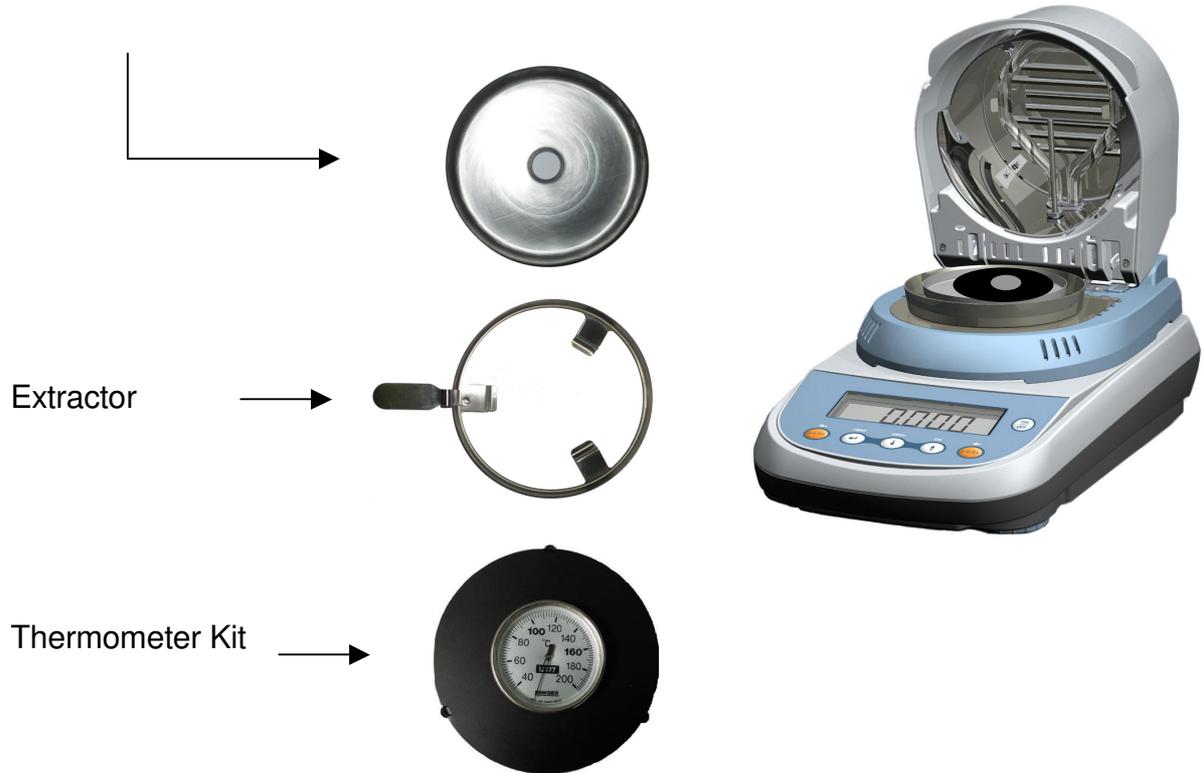
**Termometer calibration Kit for Heater
iThermo A64M - iThermo 163M
iThermo 163L - iThermo 62L
For release software Th 3.01 or higher.**

Indice

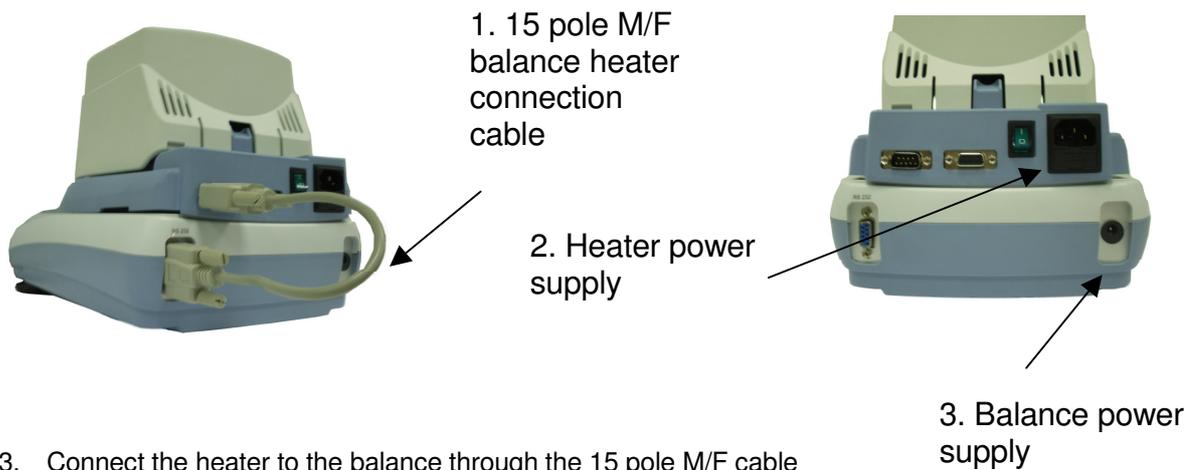
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1 Operation

Lower basin whit Anti-ventilation cylinder



1. Position the lower basin whit anti-ventilation cylinder and calibration kit.

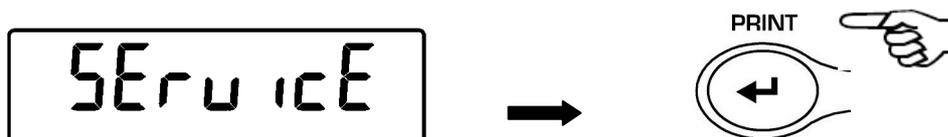


3. Connect the heater to the balance through the 15 pole M/F cable
4. Plug in the VDE cable for the heater power supply.
5. Plug in the balance power supply connector.

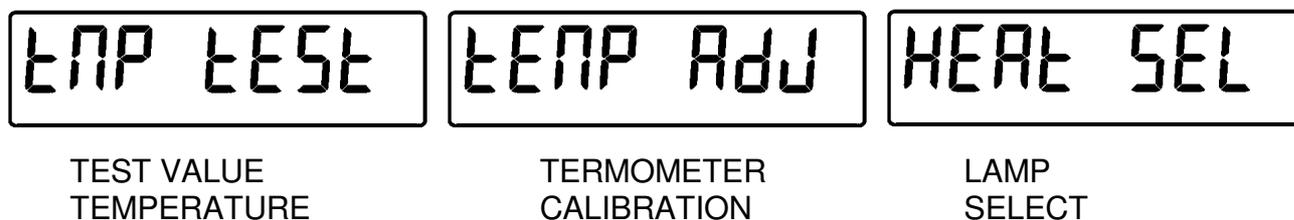
2 Service menu selection

To access the service menu from the weighing condition of the display:

1. From zero condition on display, press and keep pressed the **MENU** button until to buzzer sound off, then release the button. The message “unitS” is displayed, then press **MENU** button until the message “Service” is displayed and confirm by pressing the **PRINT** button.



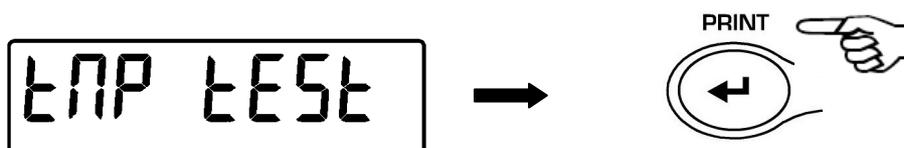
2. In this way you will access the service menu. Select the desired function and press the ENTER key to confirm the selection.



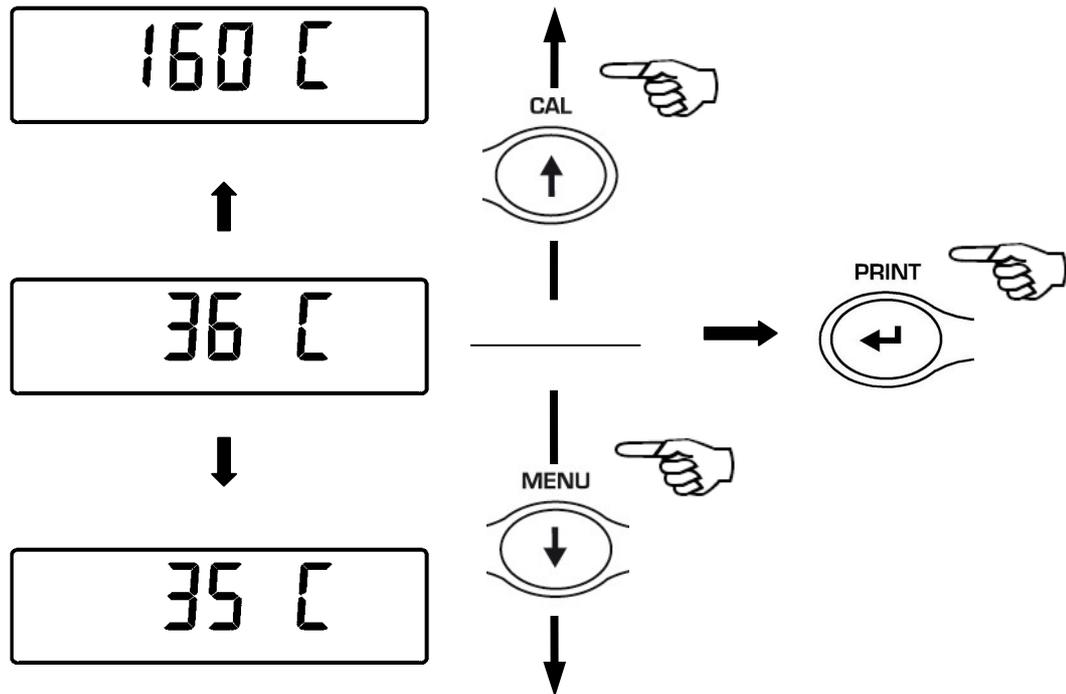
2.1 Temperature test

This function allows you to check the temperature value indicated by the device.

1. Check the lower basin and the kit thermometer.
2. Enter the service menu (as described in Chapter 2), and then press the **MENU** button until “temp test” is displayed. Then confirm with the **ENTER** button.



3. It will now be possible to set the temperature value desired for the test. The first value displayed of 35 °C is the minimum value. Use the **MENU** and **CAL** buttons to increase and decrease the value. Confirm the value by pressing the **ENTER** button.



- The heating cycle will now start and the current temperature value will be shown on the display. The H symbol indicates heater start-up.

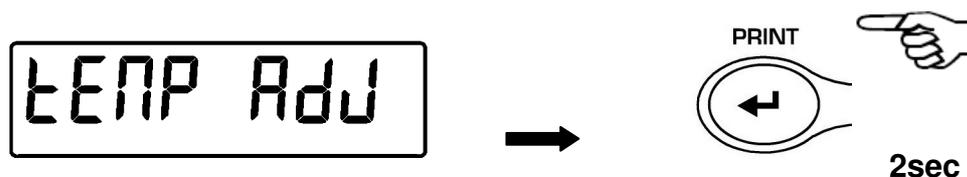


- After reaching the set value, leave the heater on for about 15 minutes and then compare the value shown on the display with the one detected by the external thermometer. (In case the temperatures do not coincide with one another, the thermometer can be recalibrated with the procedure described in Chapter 2.2).
- Press the **ON/OFF** button to end and exit from the test function.

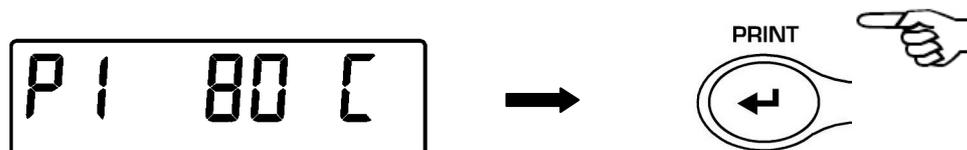
2.2 Thermometer calibration

This function allows you to linearize the thermometer through the acquisition of two temperature values.

1. Check the lower basin and the kit thermometer.
2. Enter the service menu (as described in Chapter 2) and then press the **MENU** button until "temp Adj" is displayed. Then confirm with the **ENTER** button.



3. The first calibration point, the default value of which is 80 °C, will be displayed. (To delete the previously stored calibration press and hold the **PRINT** key until the acoustic alarm)The temperature value can be modified by using the **CAL** button to increase and **MENU** to decrease (the minimum value that can be set is 50 °C and the maximum is 130°C). Then confirm by pressing the **ENTER** button.



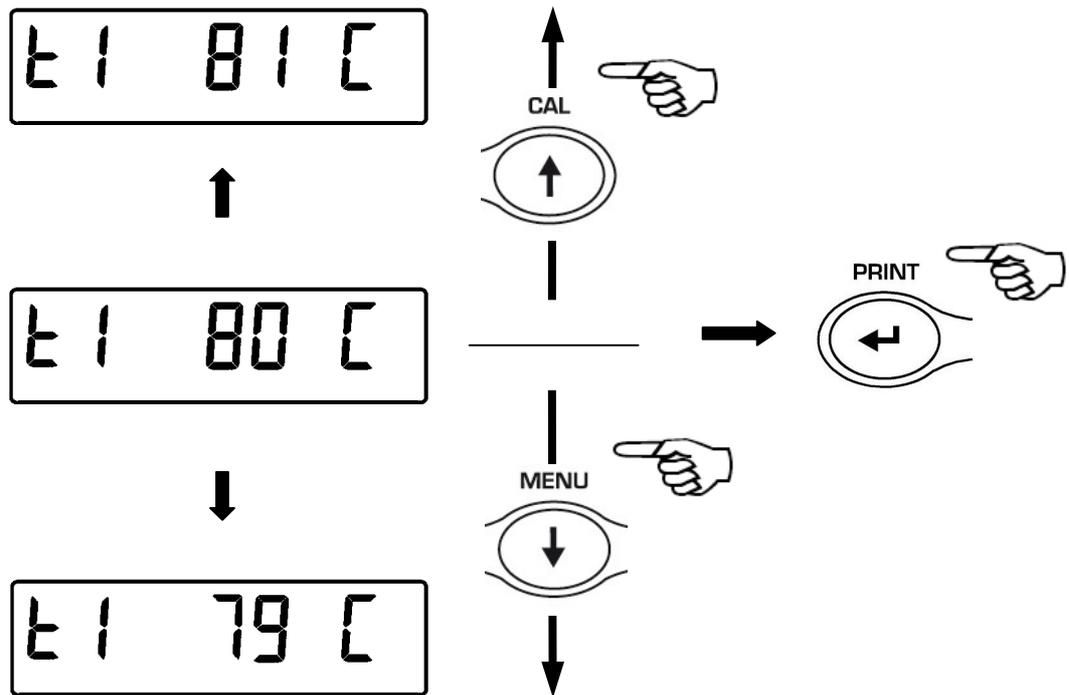
4. The heating cycle will begin and the countdown of the minutes will be shown on the display.



5. A sound will be made at the end of the cycle, open the cover of the oven and immediately read the temperature on the thermometer. The scale display will show the set value for the calibration:



6. Correct any error by using the **MENU** and **CAL** to increase or decrease the temperature.



7. Then press the **ENTER** button to confirm the value.

8. The second calibration point will now be displayed.



9. The value can be modified by using the **CAL** and **MENU** buttons to increase or decrease it (the minimum value that can be set must be at least 30 °C greater than the first point, and the maximum value accepted is 160 °C).

10. Press the **ENTER** button to confirm and initiate the heating cycle for 15 minutes.

11. A sound will be made at the end of the cycle, open the cover of the oven and immediately read the temperature on the thermometer. The scale display will show the set value for the calibration :



12. Correct any error by using the **MENU** and **CAL** to increase or decrease the temperature.

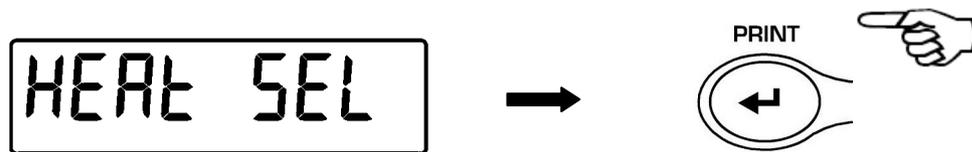
13. Then press the **ENTER** button to confirm the value.

14. The new data will be stored and the device will return to the **Measure** menu.

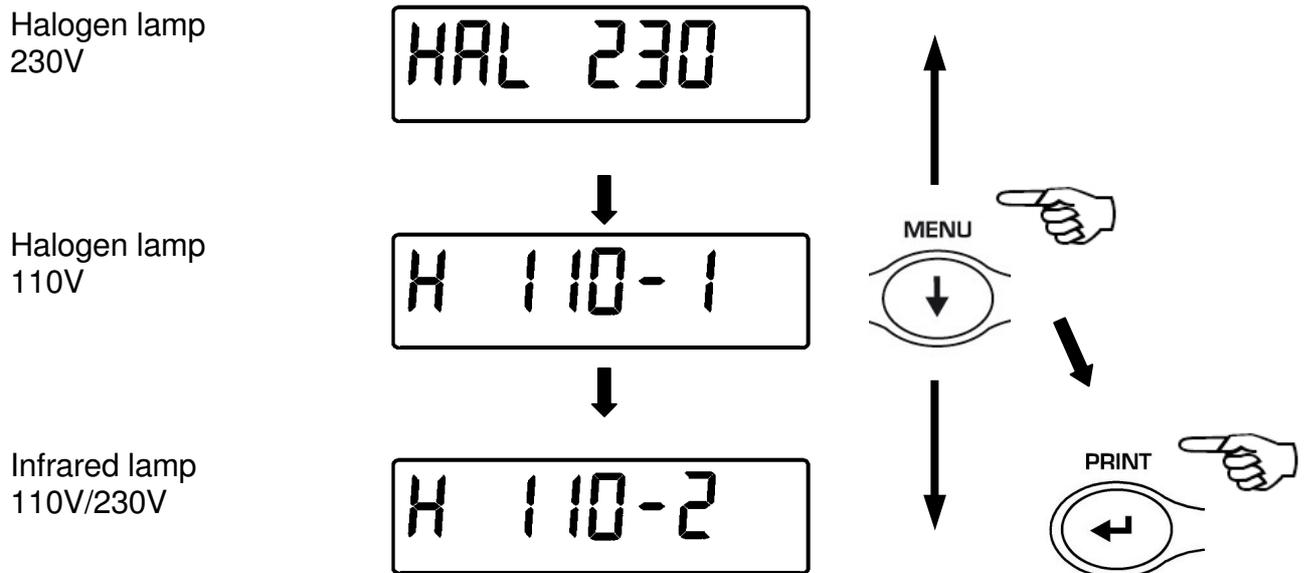
2.3 Lamp set-up

This function allows you to select the type of lamp installed.

1. Enter the service menu (as described in Chapter 2) and then press the **MENU** button until displaying “Heat SEL”. Then confirm with the **ENTER** button.



2. The type of lamp currently set will be displayed. Use the **MENU** button to scroll through the different models of lamps that can be selected.



3. After having selected the desired type of lamp, press the **ENTER** button to confirm.
4. Press the on/off button to exit from the menu.