Temperature Check and Adjustment - Black Temp Fixture

Controlled Document

1.0 Initial Set-Up

1.1 Set the unit in "Weight Display" mode as per the instructions in the manual.
1.2 Clean the reflective surfaces in the heating chamber with a standard cleaner such as Windex.

2.0 Temperature Check Procedure

2.1 Position the external temperature sensor (T0880) in place of the pan shield and connect the sensor lead wires to the digital ohm meter.
2.2 Close the hood.
2.3 Set these program parameters:

Temp 1 = 130C	Time 1 = 20 minutes
Temp 2 = Off	Time 2 = Off
Slope = Off	Standby = 130C

2.4 Run the test.
2.5 Check OHM meter reading at the end of this run. The chamber temperature should read 1.388K nominal +/-20 OHMS.

3.0 Non-Conformance

3.1 Lift chamber lid and allow unit to cool.
3.2 Inspect the positioning of the RTD in the heat chamber. The sensor should be centered and horizontal in the RTD guard opening. The RTD is located in the middle of the heat cylinders and positioned in the same manner as the measurement tool.
3.3 Inspect the surface of the sensor for cleanliness. Remove any debris with alcohol and q-tip.
3.4 Recheck at step 2.0. Proceed to "4.0 Temperature Adjustment" if RTD ok.

4.0 Temperature Adjustment

Caution: This is an electrical adjustment - Please use accompanying tool to insure safety.

4.1 Locate the access hole. (Figure 1).
4.2 Position the Mark 1 over the edge of the table in order to allow reasonable access for the adjustment tool. (Figure 1).

4.0 Temperature Adjustment cont.

4.3 Insert the adjustment tool into the access hole while turning slightly to allow the slotted head of the tool to mate with the groove on the adjuster.

4.4 Rotate the tool accordingly:

4.4.1 To increase heat, turn adjuster two turns clockwise for every 1 degree Celsius.

4.4.2 To decrease heat, turn adjuster two turns counter-clockwise for every 1 degree Celsius.

**** One degree Celsius equals approximately 4 ohms.***

**** Temperature can be adjusted up to 10 degrees Celsius.***

4.5 Re-check temperature at step 2.0. Continue adjustments until specifications are met.

4.6 If unsuccessful, please notify Omnimark Instrument at 1-800-835-3211.

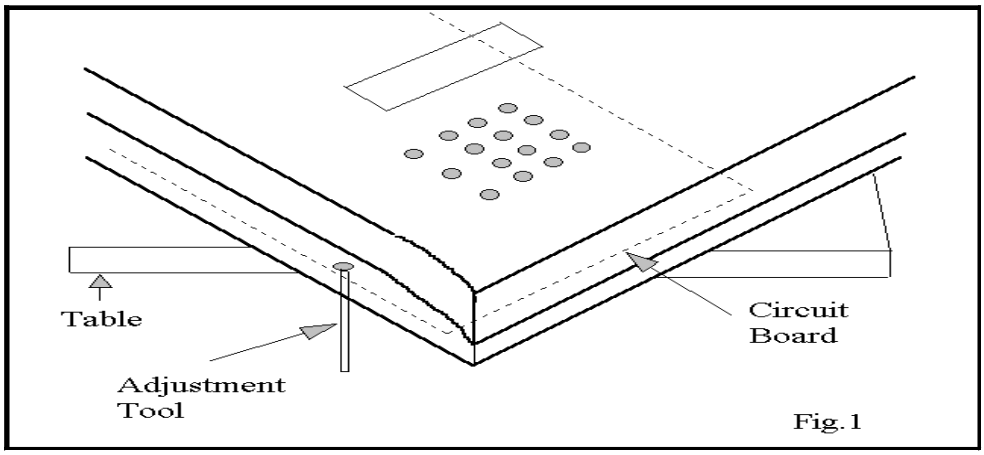

Fig. 1