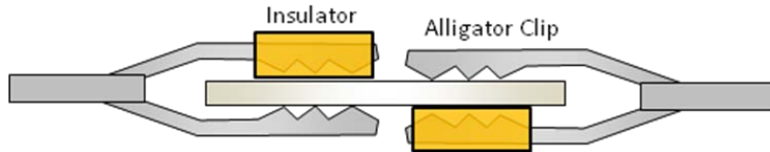


Curie Temperature Measurement

MSE 360 - Fall 2009

Revised: 9/2/2009

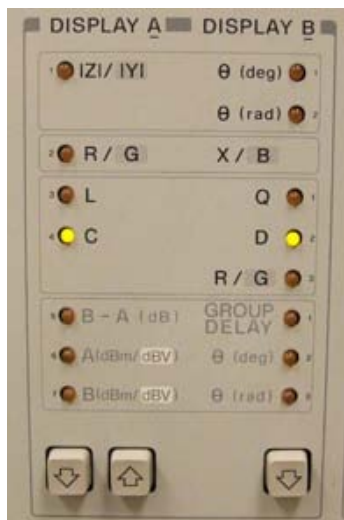
- 1) Attach the leads from the HP Impedance Analyzer to your sample using the alligator clips.



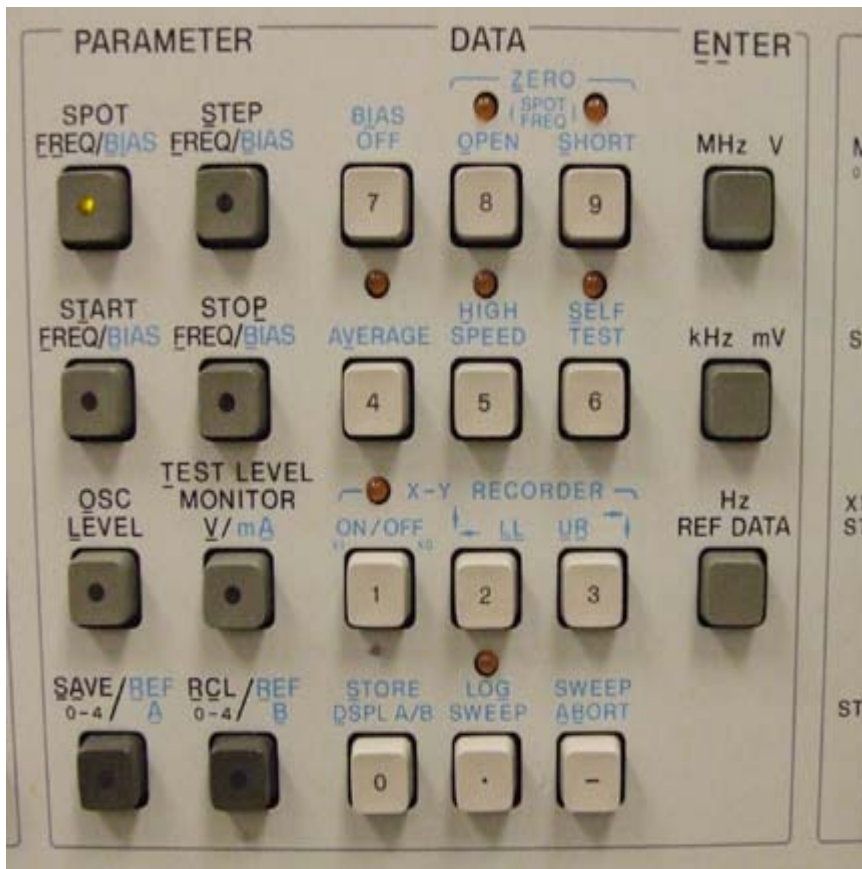
- 2) Submerge sample in Silicone Oil. Make sure that the sample does not touch the thermocouple nor the sides or bottom of the beaker.
- 3) Turn on the HP Impedance Analyzer



- 4) Use the Up/Down buttons to toggle Display A set to C



5) Use the number keys to set the frequency to 1kHz



6) Set the ZY Range from auto to manual. You probably want to see 3-4 decimal places.



7) Turn on the hotplate. A setting around 4 will be good initially, however you may need to turn it up later in the experiment to maintain heating.

8) Record the capacitance values from Display A every 5°C