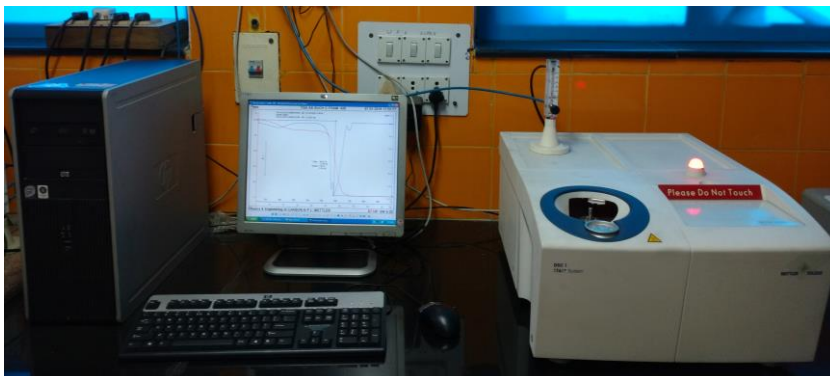


Measurement of: Enthalpy Change and Specific Heat for Solids / Semi Solids up to 550 °C

Equipment: DSC1/700 Mettler Toledo, Switzerland

Property Measured: Enthalpy Change and Specific Heat for Solids / Semi Solids

Photograph (small size):



Basic Principle: The basic principle underlying DSC technique is that when the sample undergoes a physical transformation such as phase transitions, more or less heat will need to flow to it than the reference to maintain both at the same temperature. Whether less or more heat must flow to the sample depends on whether the process is exothermic or endothermic.

Capabilities: Differential Scanning Calorimetry (DSC) can be carried out for solid / semi solid substances from ambient to 550°C in Air / Inert atmosphere.

Sample Requirement: Sample requirement is about 10 mg