

**Measurement of:** magneto-transport, electrical transport and electrical polarization of materials

**Equipment:** Cryogenic Micro Manipulated Probe station (Lakeshore)

**Property Measured:** magneto-transport, electrical transport and electrical polarization of materials and multiple devices in presence of in-plane magnetic field of upto 5.5 kOe

**Photograph (small size)**



**Basic Principle:** This facility provides a unique opportunity for measurements of magneto-transport, electrical transport and electrical polarization of materials and multiple devices in presence of in-plane magnetic field of upto 5.5 kOe and down to liquid helium temperature without breaking vacuum or warming the system. This station is configured with four nos. of thermally anchored micro-manipulated probe arms for both DC and AC measurements..

**Capabilities:** Low temperature magneto-transport, electrical transport and electrical polarization measurement facility

**Sample Requirement:**

Low temperature magneto-transport, electrical transport and electrical polarization measurement facility