

Hall Measurement System

For HMS sample size should not be more than 1 cm. Make 4 Indium contacts on the edges of your sample and load it and mount the sample using styler.

- 1) If all the hardware connections and s/w program was successfully installed, start to open measurement page and you'll see how to measure in variable temperature range by selecting randomly 300K~ 320K temperature range.
- 2) Provide the required inputs
- 3) Click " Open Port" to check if connection is successful.
- 4) Click on MEASURE button. It will start testing and displays raw data V_{ab} , V_{bc} , V_{ac} , V_{cd} , V_{da} , V_{bd} .
- 5) Now magnet system is inserting magnet N to S automatically by motorizing system and then right after that, system reads and display data.
- 6) Next magnet system is inserting magnet S to N automatically by motorizing system and then right after that, system reads and display data.
- 7) SAVE the measured data.
- 8) If you like to see I/V, I/R plotting graph, click to I/V curve .