

## Hall Effect Experiment

### **The aims of this experiment are:**

- Study Hall Effect and determine Hall's constant.
- Calculate the concentration of carriers in a Ge Crystal.
- Calculate the Hall mobility of the carriers in the crystal.

To achieve these aims:

- Measuring of the Hall voltage as function of the magnetic field at a constant current.
- Measuring of the Hall voltage and the sample voltage as function of the current at a constant magnetic field.

***In your REPORT write down everything you used or found for this experiment.***

About your device and experimental process please enjoy the Company

Report!

### **Finally:**

*Discus your results!*