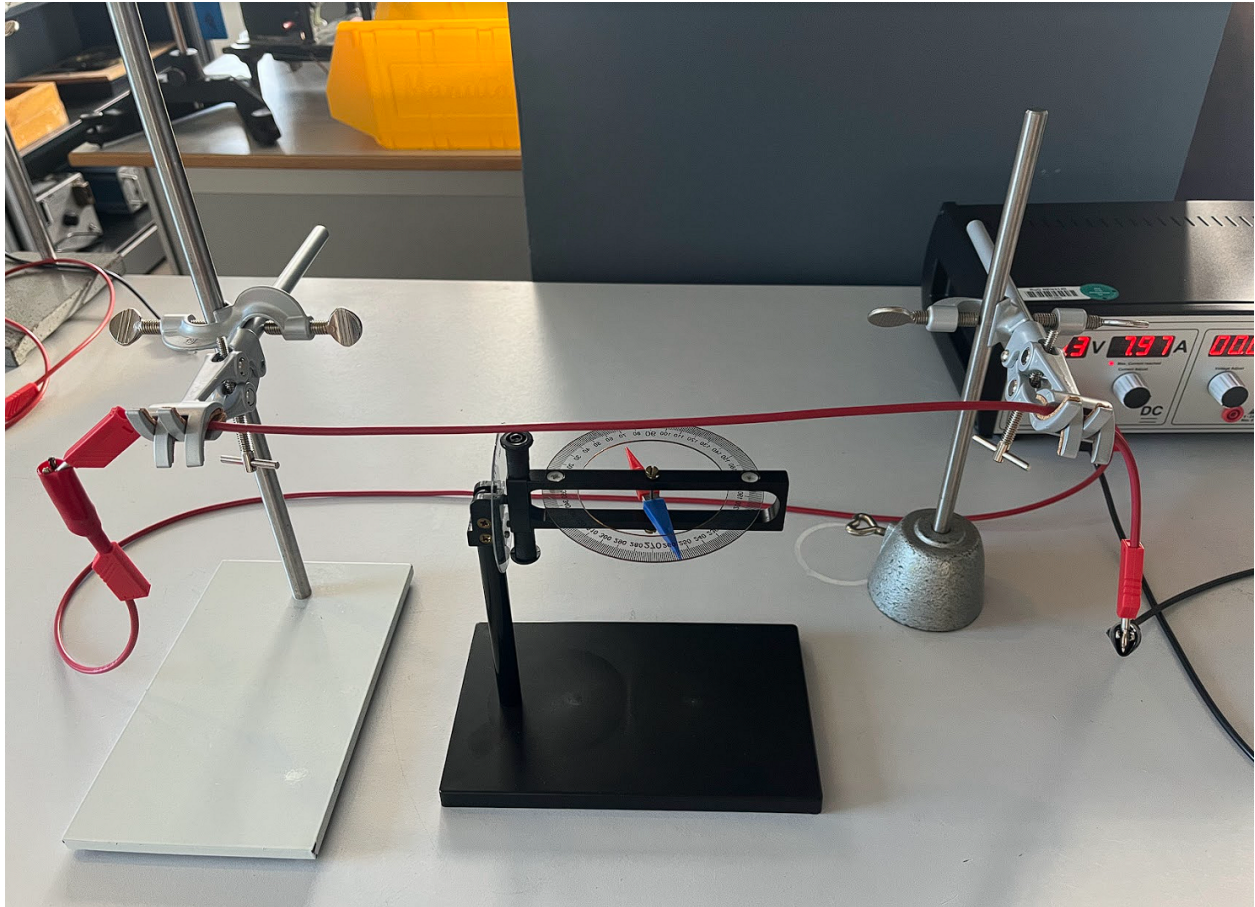


5H10.20 - OERSTED'S EFFECT

Key words: wire, needle, compass, electricity, magnetism, electric field, magnetic field



Equipment List:

1. Stand and clamps
2. Wire
3. Power source
4. Compass/needle

How to assemble and operate:

- Put the wire on the stand and claps.
- Connect the ends of the wire to a DC power source.
- Put a needle/compass below the wire.
- Raise the current and observe how the needle changes directions.
- Try different positions of the needle.

Description/Theory:

This experiment demonstrates how a flowing current through a wire generates a magnetic field by putting a needle next to it.

Comments/Notes: