Notes on Current Balance:

1. It is impractical to arrange the rods North-South, you can ignore this.

2. Connect the balance to two power supplies in parallel, as in the diagrams below. We will not use a DPDT switch.

3. Use milligram masses of 10, 20, 30, 40, 50, 60 on the upper rod. Do not go up to 100 mg, as this requires very high currents.

4. To reverse the direction of the current, switch the polarity of your connections to the balance. See diagrams below.

5. Do not forget to connect the upper rod to the lower rod. There are plugs on the apparatus for this.

6. Do not allow the current to flow continuously. Turn the power off except when taking a reading.

Set-up for anti-parallel currents, forward direction

Set-up for anti-parallel currents, reverse direction