The aim of the experiment is to measure the dependance on frequency of Skin depth in varying metal cylinders.

The frequency and potential difference will be measured. Measurements will be made by taking readings of frequency from a signal generator and potential difference and current from multimeters.

The final result will be obtained by comparing the potential divided by the frequency to the inverse of the frequency squared.

The main safety concerns are dealing with electricity. It is important to make sure the apparatus is connected correctly and to be aware of the dangers with misuse of the equipment.