

SKIN DEPTH EXPERIMENT

COIL DRIVER AMPLIFIER OPERATION

- Before turning on the apparatus each time turn all dials on the Trio Signal generator to Zero.
- The Mains power switch is located on the back of the box. This will turn on the power to the box.
- Turn all dials on Signal Generator to Zero before proceeding. To use the amplifier for the experiment there is a round silver button on the front plate. This will glow red when the power is on. Press and hold this button, the circuitry will ramp up (the red light will flash repeatedly). When the device is ready to use the silver button will show green.
- To turn off the circuit the operation is the reverse, switch off the silver button first then the mains switch at the rear.
- The wire used as a coil on the sample rods are coated in a lacquer to prevent shorting the circuit. The end is bare copper and you must connect to this or you will not obtain any readings.
- Each time you turn on the Keysight bench meters you will need to select ACI (for current) and ACV (for voltage) depending on which meters is measuring current/voltage. The default each time is DC which will not give you correct readings.