

**Aim:-** To study of DC potentiometer.

**Apparatus:-** Power supply,(0-50v)

Battery,(0-30V)

Resister-100

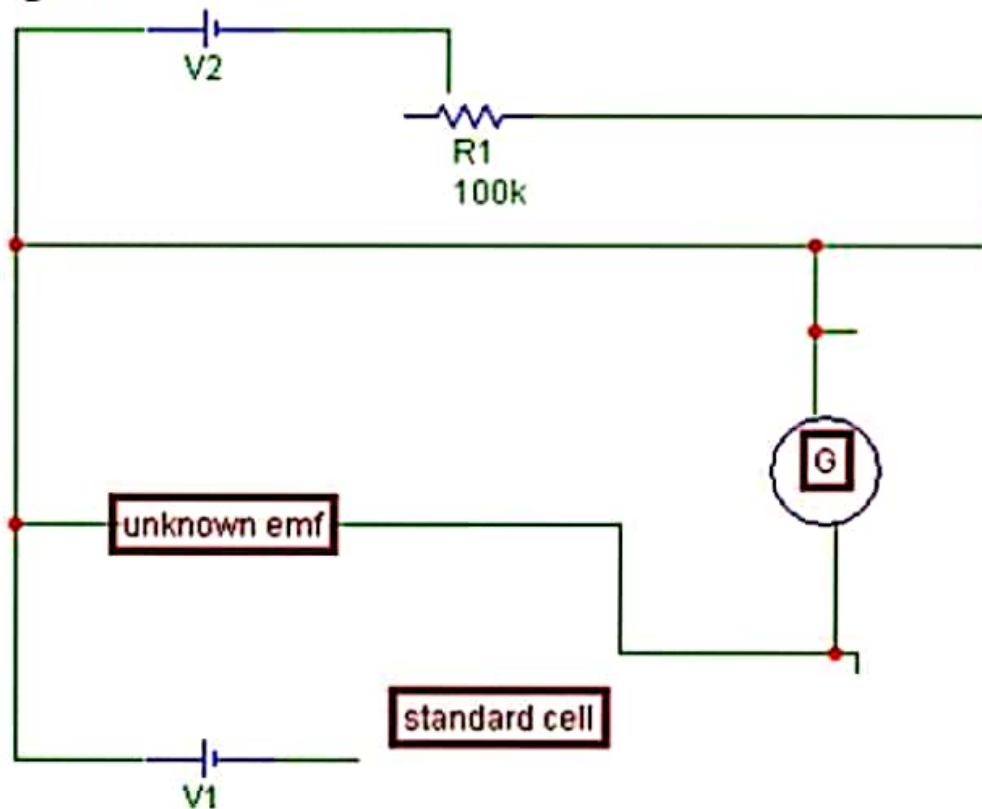
**Theory:-**

The potentiometer although not consider a bridge has circuit that using a simple circuit thermo becomes identical to the whetstone bridge. The potentiometer is a device for measuring the voltage while presenting a very high impedance to the voltage source under the Test.

The variable resister R1 is the precision device that can be set to an accurate value. the resister is adjusted so that no current is flow through the galvanometer. which is the similar to balancing the bridge.

At this point the zero current flow several important characteristics of the potentiometer cab be determine.

**Circuit Diagram**



**Result:-** To study the working of the DC potentiometer.

**. Precautions-**

- 1) Check all the connections before turning ON the power supply.
- 2) Do not exceed the value of 5v.
- 3) Note the readings accurately.