

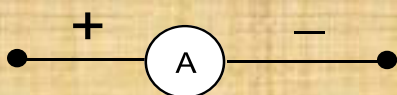
Chapter 12

CURRENT ELECTRICITY

Ammeter:

Current is measured by Ammeter.

It's symbol is,



Ammeter has low resistance and always connected in series.



To measure current through resistor.

Potential Difference (V):

Work done to move a unit charge from one point to another.

$$\text{Potential} = \frac{\text{Work done}}{\text{Charge}}$$

$$V = \frac{dw}{dq} \quad (\text{or}) \quad V = \frac{w}{q}$$

$$\text{SI unit: } \frac{\text{Joule}}{\text{Coulomb}} \quad (\text{or}) \quad \text{Volt}$$