

Chapter:5

(Concepts of Ammeters & Voltmeter)

Lecture:1

Principle of Operation Ammeter & Volt meter:

- . What is the principle of ammeter and voltmeter?

The voltmeter is connected in parallel to measure its voltages while the ammeter is connected in series to measure its amperage. In the heart of most analog meters is a galvanometer, an instrument that measures current flow using the movement or bend of a needle.

Type of Ammeter & Voltmeter:

- Ammeters and voltmeters are classified as follows:
- Moving Iron Type. (a) Attraction type. (b) Repulsion type.
- Moving Coil. (a) Permanent magnet type. (b) Dynamometer type.
- Hot wire.
- Induction type.
- Electrostatic (voltmeter only)

