

ELECTRICAL MEASUREMENT & MEASURING INSTRUMENTS

UNIT 2

Instrument Transformers

- Instrument Transformers CT and PT & their errors
- Applications of CT and PT in the extension of instrument range
- Introduction to measurement of speed, frequency and power factor.

Instrumental Transformers

- **Current Transformer (CT)**
- **Potential Transformer (PT)**

Current Transformer (CT)

- A current transformer is an instrument transformer which is used to measure alternating current of large magnitude by stepping down by transformer action. The primary winding of CT is connected in series with the line in which current is to be measured and the secondary is connected to the ammeter.

Current Transformer (CT)

