

Chapter-5

(The Multimeter)

Lecture:1

Presented by
Hasan Murad Munna

Introduction:

- A multimeter is a measuring instrument that can measure multiple electrical properties. A typical multimeter can measure voltage, resistance, and current, in which case it is also known as a volt-ohm-milliammeter (VOM), as the unit is equipped with voltmeter, ammeter, and ohmmeter functionality. Some feature the measurement of additional properties such as temperature and volume.
- Analog multimeters use a microammeter with a moving pointer to display readings. Digital multimeters (DMM, DVOM) have numeric displays and have made analog multimeters obsolete as they are cheaper, more precise, and more physically robust than analog multimeter

What is an analog multimeter used for?

- Analog multimeters are electrical test instruments which are used to measure voltage, current, resistance, frequency and signal power. Analog multimeters use a needle along a scale. Switched range analog multimeters are very cheap but are difficult for beginners to read accurately, especially on resistance scales.