

## Resistance measurement

### 1: Classification of resistance

- Low resistance is the range of  $.1\Omega$  to  $1\Omega$ .
- Medium resistance is the range of  $1\Omega$  to low mega ohm.
- High resistance is  $.1M\Omega$  to higher range.

### 2: Methods for the measurement of low resistance

- Kelvin double bridge
- Ammeter – voltmeter method

### 3: Methods for the measurement of medium resistance

- Ammeter – voltmeter method
- Wheat stone bridge method
- Ohm meter method

### 4: Methods for the measurement of high resistance

- Direct deflection methods
- Loss of charge methods
- Mega ohm bridge methods