

LAB # 3:

To measure the Resistance of a Resistor by color coding and by using Ohmmeter/Multimeter

Apparatus

- Multimeter/Ohmmeter
- Resistors

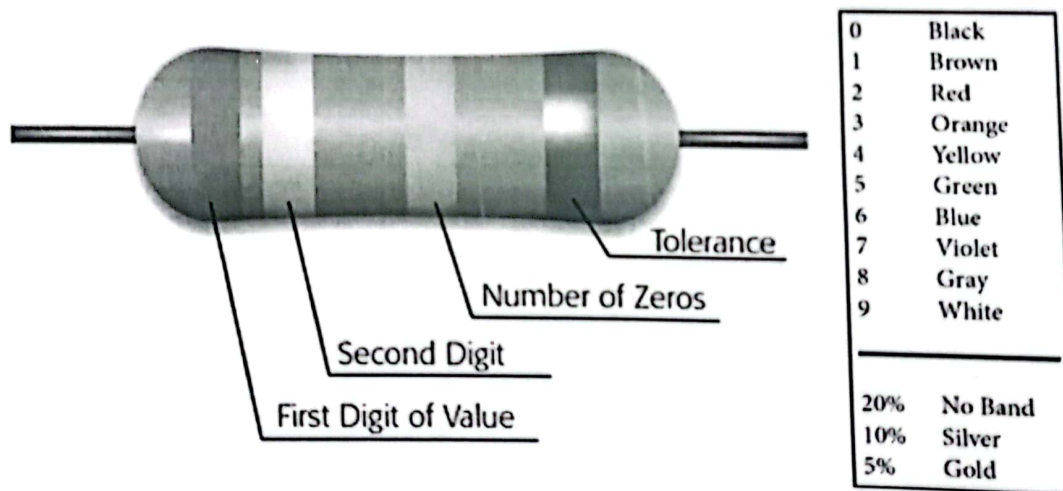
Resistor:-

Circuit component which oppose flow of electric current is called Resistor.

Resistance:-

Opposition offered in flow of electric current is called Resistance.

Color coding of a Resistor:-



Procedure:-

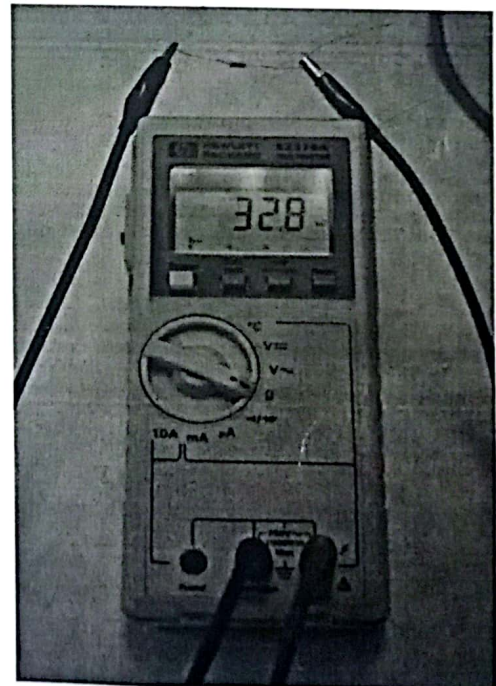
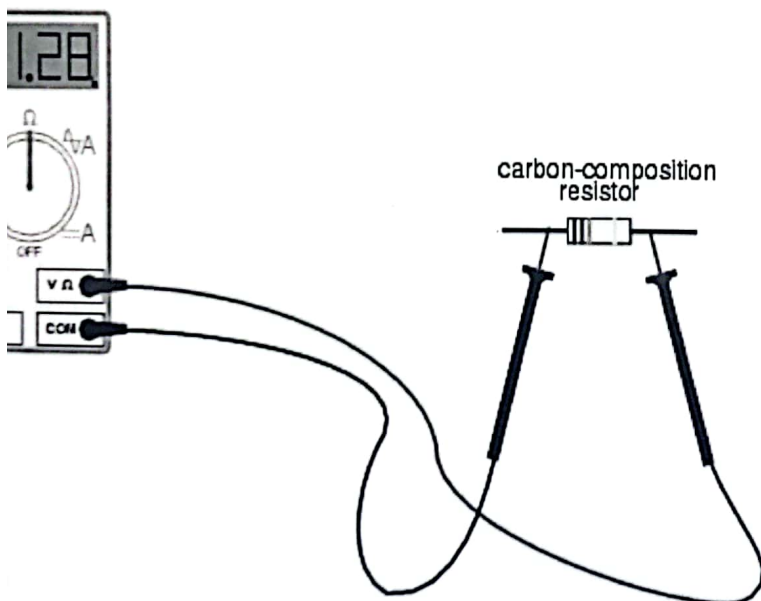
- First of all I issued all the required materials form the lab attendant.
- I checked all material one by one.

- iii. 1st I check the current position of selector switch of meter if the position is wrong then I change the position to the ohm side.
- iv. Then I check the resistance color by using color coding.
- v. Then I check the resistance by using multimeter.
- vi. Color coding values. And multimeter value inter in the table.
- vii. Also differ from these values put In table.
- viii. After checking of all resistance I check the materials.
- ix. All materials give to bake Lab attendant.

Table & observation:-

R" K Ω Determine by color coding.	R"K Ω Measurement by "MM"	Difference

Diagram:-



Precaution:-

- Multimeter should be in Ω position while testing the resistance of resistor.
- Do not broke the Resistors terminals.
- Carefully handle the multimeter.
- At start and at end of practical all materials should be check.
- Resistance checked by multimeter carefully.

Critical Analysis /Conclusion

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Performance (15Marks)		Viva (5 Marks)	Total/20
Pre Lab Exercise	/3		
Performance	/4		
Results	/3		
Critical Analysis	/2		
Post Lab Exercise	/3		