

EXPERIMENT: 1.1

COLOUR CODES OF RESISTORS

EXPERIMENTAL PROCEDURE:

Plug the Y-0016/001 module to the relevant place. Take a digital avometer and adjust it to measure resistance.

1- R1 resistance is four bands and its reading is shown in module. Read the R3-R4-R5-R6 resistances in the same way and write it to figure 1.15

RESISTANCE CODE	DISPLAYED VALUE	THE VALUE ON THE MULTIMETER
R3		
R4		
R5		
R6		

Figure 1.15

2- Measure every resistance with ohmmeter. Write the measured values to figure 1.15 Calculate if these values are in the tolerance limits?

Note: This value is not written in figure 1.15. Calculate and compare according to the chapter 1.

3- R2 resistance is five bands and its reading is shown in module. Read the R7-R8-R9-R10 resistances in the same way and write it to figure 1.16

RESISTANCE CODE	DISPLAYED VALUE	THE VALUE ON THE MULTIMETER
R7		
R8		
R9		
R10		

Figure 1.16

4- Measure every resistance with ohmmeter. Write the measured values to figure 1.16 Calculate if these values are in the tolerance limits?

Not: This value is also not written in figure 1.16. Calculate and compare according to the chapter 1.