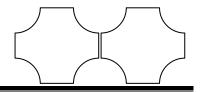


Lab00: Measurements



			Date:	/	/	
ID	Comp	Name				

1. Objectives

- 1. Recognize the color code for 3 different resistors
- 2. Recognize and correctly operate the four basic instruments in the basic electric lab:
 - a. DC Power Supply (DCS)
 - b. Digital Multimeter (DMM)
 - c. Function Generator (FG)
 - d. Oscilloscope (OSX)
- 3. Learn the basic Safety Rules of the lab



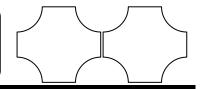
Figure (1): Resistors Color Code

2. Equipment

 □ DC Supply □ Function Generator □ Digital Multimeter □ Oscilloscope □ Other: 			
☐ Digital Multimeter Qty = ☐ Oscilloscope Qty =	☐ DC Supply	Qty =	
☐ Oscilloscope Qty =	\square Function Generator	Qty =	
1	\square Digital Multimeter	Qty =	
□ Other:	\square Oscilloscope	Qty =	
	\Box Other:		



Lab00: Measurements

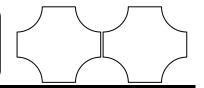


3. Experiment Steps

Evnoviment (1.1).
Experiment (1.1):
Experiment (1.2):
Experiment (1.2).
Experiment (1.3):



Lab00: Measurements



4. Results

Experiment (1.1)

	Color Bands	Theoretical Value	DMM Measured Value	Error %
R_1	B-K-R	1000 Ω		
R_2				
R_3				

Experiment (1.2)

Instrument	Generated		DMM Measurement		
	5V		DC =	=	
DC Supply	10V		DC =	=	
	15V		DC =	=	
	$5V_p$ sine	1kHz	RMS =	f=	kHz
Function Generator	$3V_p$ square	7kHz	RMS =	f=	kHz
	$5V_p$ triangle	90Hz	RMS =	f=	Hz

5. Remarks