



Group :

Date :

Members of the Group:

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Practical Work Report 3: oscilloscope 1

I. Voltage measurement experience for various signals:

1- Fill in the table:

Channel	Caliber=5	E(DC/AC)	reading (cm)	V _{mes} (V)	V _{voltmetre} (V)	Signal shape
A	Continuous	DC				
		AC				
B	Continuous	DC				
		AC				
	Sinus	DC				
		AC				
	Square	DC				
		AC				
	Trigonometric	DC				
		AC				
A&B	Continuous and B Sinus A	DC				
		AC				

Note: The signal shape is drawn on millimeter paper.

2- What is the action of the E(A/B) converter based on the results of the experiment?

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3- Compare the voltage value measured by the voltmeter and the voltage obtained by V_{mes} ? What do you conclude?

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II. Alternating voltage measurement experiment:

1- Choose a 4V sinusoidal signal and fill in the table:

Selected caliber (V/cm)	1	2	5
Height from top to top (cm)			
Vcc voltage from top to top			
Amplitude $V_{max}=V_{cc}/2$			
Effective voltage $V_{eff}=V_{max}/\sqrt{2}$			
Voltage measured by voltmeter Vvolt			

2- Draw the obtained curves on millimeter paper?

3- Compare Amplitude, effective voltage and voltage measured by voltmeter?

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4. When choosing the 0.2V/cm caliber, what is the result obtained. And what do you conclude?

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