

MONITORING OF AC ELECTRIC SIGNALS

Name:

Group:

Date:

1. Goal of the experiment:

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2. Determination of frequency and amplitude of sinusoidal signal observed on the oscilloscope display:

	f_g	T_B	l	$T=T_B \cdot l$	$f=T^{-1}$	s	d	$U=s \cdot d$
	Hz	sec./DIV	DIV	s	Hz	VOLT/DIV	DIV	V
1								
2								
3								

3. Determination of phase shift using a two-channel oscilloscope method:

	f_g	C	p	l	$\varphi = \frac{p \cdot 360}{l}$	$\Delta\varphi$	$\varphi_{\text{theor.}}$
	Hz	F	DIV	DIV	deg	deg	deg
1							
2							
3							

The circuit resistance: $R = 4.3 \text{ k}\Omega$

