

Electricity and Electronics

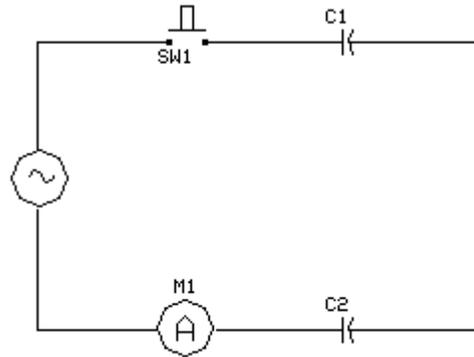
Series-Parallel Capacitor Circuits

PERFORMANCE TEST

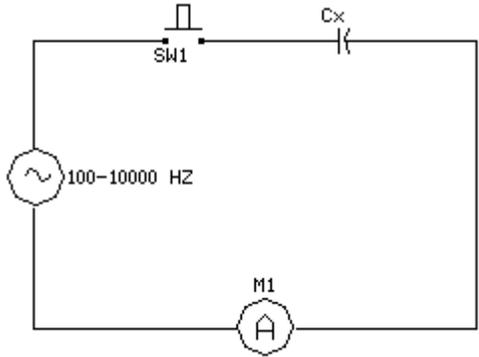
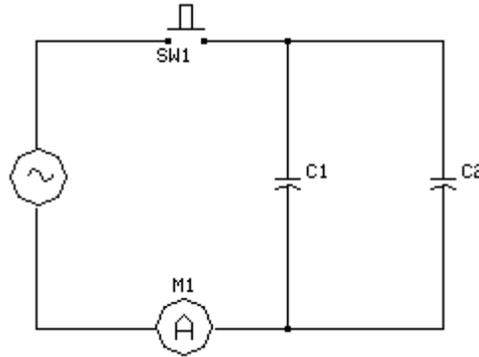
INSTRUCTIONS: Build the circuits and complete the tables. All values are measured values. You must show the instructor the completed circuit and demonstrate how you got your results. Attach this sheet to your technical report and turn it in.

REQUIRED MATERIALS: Laboratory Instrument System, Kconnect-All Board, Electrical Parts Box, and Hookup Wire.

Cx	Vac	mAac
.22uF	20	
10uF	20	



Cx	Vac	mAac
.22uF	20	
10uF	20	



1. What happens to current when ...capacitance increases?
...frequency increases?
2. Graph the information in the table below.

Cx	Vac	100Hz	1,000Hz	10,000Hz
.01uF	3 p-p	MAac	MAac	MAac
.22uF	3 p-p	MAac	MAac	MAac
10uF	3 p-p	MAac	MAac	MAac

Name _____ Period _____