



# Instrumentation and Measurements

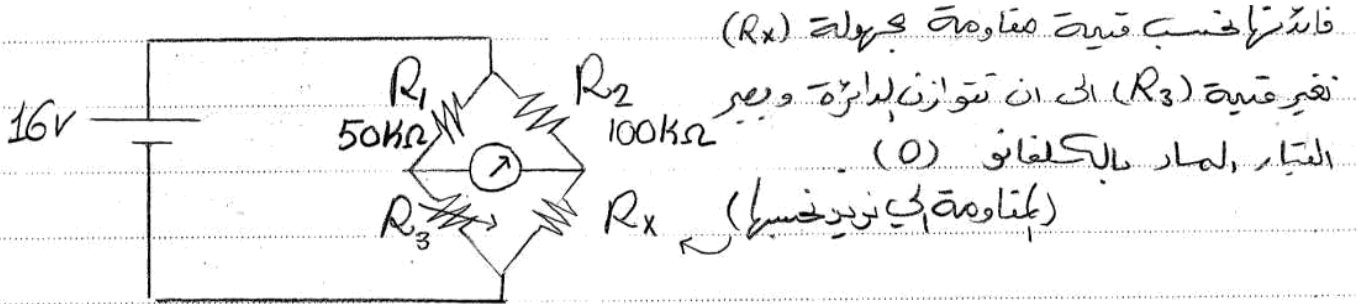
## Experiment 11

Eng:- Shaymaa Fakhir AL-Hamdany

EXP : 8

Wheatston Bridge

تعمل بالتيار ال DC



$$R_x = R_3 \times \frac{R_2}{R_1}$$

	$R_3$	$R_x$
$R_{x1}$	$500 \Omega$	$1k\Omega$
$R_{x2}$	$1060 \Omega$	$2.12k\Omega$
$R_{x3}$	$2500 \Omega$	$5k\Omega$
$R_{x4}$	$4810 \Omega$	$9.62k\Omega$

$$R_x = 500 \times \frac{100k}{50k} = 1000 \Omega$$

$$R_x = 1060 \times \frac{100k}{50k} = 2120 \Omega$$

$$R_x = 2500 \times \frac{100k}{50k} = 5000 \Omega$$

$$R_x = 4810 \times \frac{100k}{50k} = 9620 \Omega$$

