



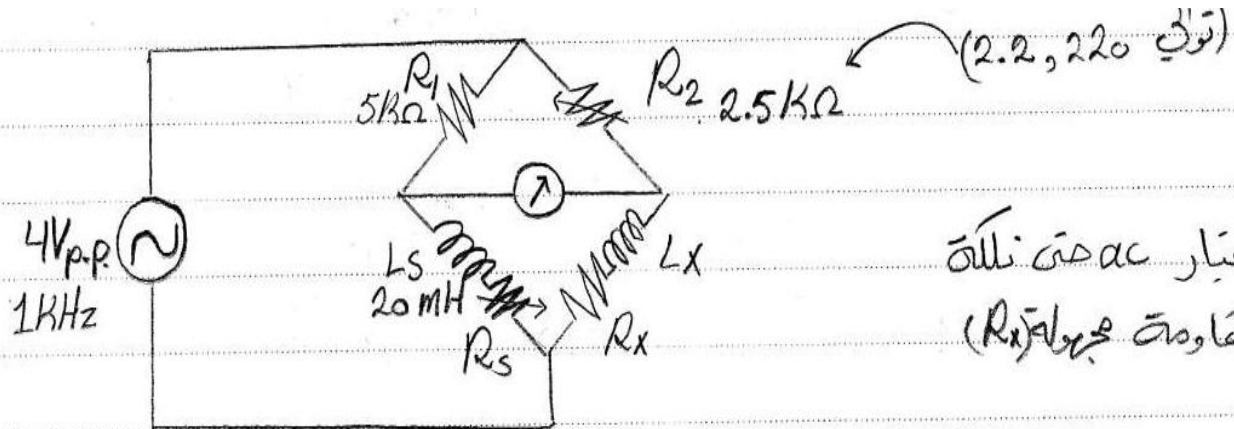
## **Instrumentation and Measurements**

### **Experiment 12**

**Eng:- Shaymaa Fakhir AL-Hamdany**

EXP:9

Inductance Comparison Bridge



$$L_x = L_s \times \frac{R_2}{R_1} = 20 \text{ mH} \times \frac{2.5 \text{ K}}{5 \text{ K}} = 10 \text{ mH}$$

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

	$R_s$	$R_x$
Galvano	4440 $\Omega$	2220 $\Omega$
OSC.	4460 $\Omega$	2230 $\Omega$
AVO.	4450 $\Omega$	2225 $\Omega$