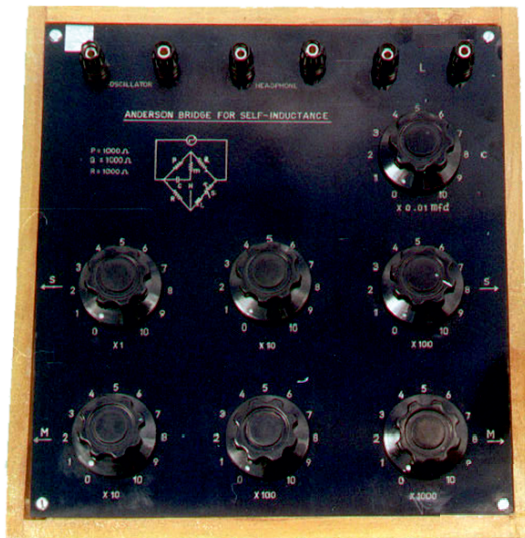


**Experiment(s):**

1. Determination of unknown inductance

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))



(a)



(b)



(c)

**Experiment setup consists:**

- a) Anderson bridge kit
- b) Fixed frequency oscillator
- c) Digital null detector

**Specifications:**

**a) Anderson bridge kit**

Variable resistors: 2  
 Range: 1 Ω to 1 KΩ  
 Range: 10 Ω to 10 KΩ  
 Variable capacitor: 1  
 Range: 0.01 μF to 0.1 μF

**b) Fixed frequency oscillator**

Range: Fixed @ 1 KHz  
 Waveform: Sine  
 Display: None  
 Amplitude: Variable  
 Output impedance: 50 Ω  
 Output: 4 mm connector  
 Max: Amplitude: Max 20V P-P  
 Rated Input: 220 V/50 Hz  
 or 110 V/60 Hz  
 Power consumption: <20 W  
 Cabinet: Metal

**c) Digital null detector/  
Galvanometer**

Range: -1999 to 0 to 1999  
 Input: 4 mm Connector  
 Rated Input: 220 V/50 Hz  
 or 110 V/60 Hz  
 Power Consumption: <20 W  
 Cabinet: Acrylic



**KAMALJEETH INSTRUMENTS**

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3 years manufacturing warranty