

Enrollment No:.....

Date:.....

Instrumentation & Measurement

EXPERIMENT NO. – 1

OBJECT:-

Measurement of capacitance De Sauty's Bridge.

AIM :-

To determine unknown capacitance of given capacitor by De sauty's Bridge Method.

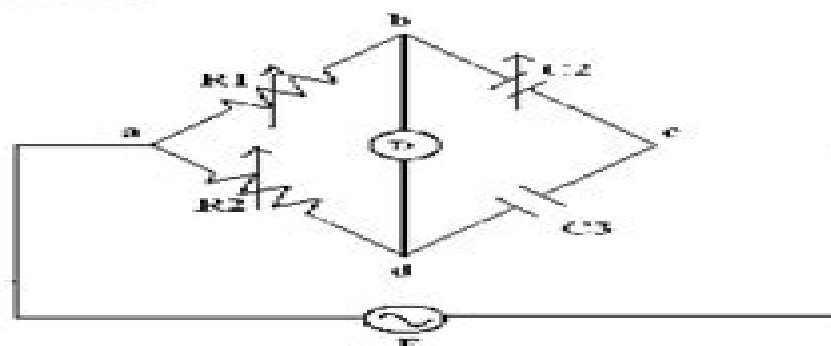
APPARATUS:-

| SNO | Name | Type | Quantity |
|-----|--------------------------------|---------|----------|
| 1 | De sauty's Bridge training kit | EE-123 | 1 |
| 2 | Patch cords | | 5-8 |
| 3 | Multimeter | Digital | 1 |
| 4 | Audio oscillator | | 1 |

THEORY:-

The De sauty's Bridge is one of the most important A.C bridge which is extensively Used for the measurement of unknown capacitance. De sauty's Bridge contains four arms each having a resistance or capacitor or a combination of both.

CIRCUIT DIAGRAM :-



DESAUTY BRIDGES

Let

C_1 = Capacitor whose capacitance is to be measured

C_2 = Standard capacitor

Electronics Measurement And Instrumentation Lab Manual

Thomas Griffiths



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