

Product Code . JL-PLE-7964

Capacitance and Permittivity Kit



Description

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Description:-

The Kit consists of reed relay switch with it's a.c. supply, integrated circuit current amplifier and 0-100 micrometre housed in a cabinet.

In addition, a pair of capacitor plates 0.25m x 0.25m x 4 mm, a Perspex sheet, two capacitors (500 of each), and set of perspex/ polythene spacers are provided with the kit.

Objective:-

- (a) Series and Parallel combination of capacitances.
- (b) Factors that determine the capacitance of a parallel plate Capacitor (area of overlap, the distance between the plates and the medium).

Completely self – contained: no other measuring instruments are needed.

No calibration required.

High sensitivity: change of the order of 0.1 nF can easily be detected.

Integrated circuit electronics.

Linearity better than 1% f.s.d.

In operation, it produces an output current proportional to capacitance.
