



55818 Experimental Set-up has been designed specifically for determination of Dielectric constant of a specimen at high frequency by Lecher wire. The set-up consists of VHF oscillator, Lecher wire, Detector & Condenser. The set-up is complete in all respects and require no other apparatus.

Practical experience on this set up carries great educative value for Science and Engineering Students.

#### OBJECT

To determine Di-electric constant of a specimen (Liquid) at high frequency by Lecher wires.

#### FEATURES

The complete experimental Set-up consists of following :

- 01 VHF Oscillator : 360 Mcs to 410 Mcs
- 02 Lecher Wire : Fitted on 1.75 meter bench
- 03 Detector : Bulb type
- 04 Condenser : Parallel Plate
- 05 Wooden Scale : 1 meter long
- 06 Weight : 7.4 Kg. (Approx.)
- 07 Dimension : W 145 x H 140 x D 200
- 08 The unit is operative on 230V  $\pm$ 10% at 50Hz A.C. Mains.
- 09 Adequate no. of patch cords stackable 4 mmspring loaded plug length 50cm.
- 10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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