



55721 Experimental Set Up has been designed specifically for the study of rise and decay of current in an LR circuit with source of constant EMF. We use an Inductor (of high inductance and low resistance) in order to enable one to make measurements of the rise and decay current.

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

#### OBJECT

- 01 To study the rise of current in inductive circuit and plotting curve.
- 02 To study the decay of current in inductive circuit and plotting curve.

#### FEATURES

The Set up consists of the following :

- 01 Aboard with following built-in parts :
  - 1.1 +12V D.C. at 10mA, regulated and short circuit protected power supply.
  - 1.2 Push to on switch for charging capacitor, 2 way switch for charge/discharge, one way switch for 12V at 10 mAsupply ON/ OFF.
  - 1.3 FET Voltmeter, range 0-50V having high input resistance with zero adjustment.
  - 1.4 Adequate no. of other Electronic Components.
  - 1.5 Mains ON/OFF switch, Fuse and Jewel light.
- 02 One Inductor of high value inductance.
- 03 Weight : 10 Kg. (Approx.)
- 04 Dimension : W 340 x H 125 x D 210.
- 05 The unit is operative on 230V  $\pm$  10% at 50Hz A.C. Mains.
- 06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

#### LIST OF ACCESSORIES:

- 01 Patch Cord 4mm Length 50cm Red.....01
- 02 Patch Cord 4mm Length 50cm Black.....01

#### OTHER APPARATUS REQUIRED :

- 01 Metronome

Note: Specifications are subject to change.

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