

**TO MEASURE THE RESISTANCE  
AND IMPEDANCE OF AN INDUCTOR  
WITH OR WITHOUT IRON CORE  
OMEGA TYPE ES - 437**



**OMEGA TYPE ES - 437** Experimental Set Up has been designed specifically to measure the resistance and impedance of an inductor with or without iron core. The set-up is absolutely self-contained and requires no other apparatus.

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

#### **OBJECT**

01. To measure the resistance and impedance of an inductor with or without iron core

#### **FEATURES**

The Experiment set-up consists of the following:

01. A.C. / D.C. Milliammeter, Diameter 65 mm TYPE SO-65 , to read (range 0-500 mA)
02. A.C. / D.C. voltmeter, Diameter 65 mm TYPE SO-65 , to read (range 0-5 V)
03. Two nos. decade resistance 10E & 100E Per Step Total 20 Step Value 1100E
04. Inductor coil ( 20 mm X 20 mm and 2000 turns), with soft iron core
05. 0-5V D.C. at 250mA, continuously variable regulated Power Supply with low ripple
06. 0, 2, 4, 6V A.C. at 250mA
07. Adequate no. of other electronic components.
08. Mains ON/OFF switch, Fuse and Jewellight.
09. The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.
10. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
11. Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
12. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
13. Weight : 3 Kg. (Approx.)
14. Dimension : W 340 x H125 x D 210

LIST OF ACCESSORIES : Nil

#### **OTHER APPARATUS REQUIRED**

01 Complete in all Respect, Requires No Other Apparatus.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## **OMEGA ELECTRONICS**

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