OMEGA®

A SIGN OF QUALITY PRODUCT

MEASUREMENT OF INDUCTANCE / CAPACITANCE USING IMPEDANCE / SAME IMPEDANCE AT DIFFERENT FREQUENCIES

OMEGA TYPE ES-412

OMEGA TYPE ES-412 Experimental Set-up has been designed specifically to measure inductance / capacitance using impedance at different frequencies..
The set-up is complete in all respect and requires no other apparatus.
Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

01 To measure inductance using impedance at different frequencies.
02 To measure capacitance using impedance at different frequencies.
03 To measure inductance using same impedance at different frequencies.
04 To measure capacitance using same impedance at different frequencies.

FEATURES

The Experimental Set-up consists of the following:

01 1 to 5 KHz sine wave oscillator
02 Three inductors (2mH, 5mH and 10mH)
03 Three capacitors (1uF, 2uF, 3uF)
04 Resistance 10 Ω
05 A.F. Voltmeter 0 - 5V.
06 A. F. Milli ammeter 0 - 50mA.
07 Mains ON/OFF switch, Fuse and Jewel light
08 Adequate no. of other electronic components.
09 Mains ON/OFF switch, Fuse and Jewel light.
10 The unit is operative on 230V ±10% at 50Hz A.C. Mains.
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.
13 Weight : 1.5 Kg. (Approx.)
14 Dimension : W340 x H125 x D210

LIST OF ACCESSORIES:

01 Patch cords 4mm length 50cm Red.....3Nos.
02 Patch cords 4mm length 50cm Black.....3Nos.

OTHER APPARATUS REQUIRED:

01 Digital Frequency Counter OMEGA TYPE DFC-20M

OMEGA ELECTRONICS

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