AC Circuits Experiment Set

EM0050-001 A.C. Circuit Experiments

Description:

This equipment is a 'passive' (unpowered) instrument used by the teacher and student as a convenient, high power set of Inductors, Capacitors and Resistors which can be used as loads and / or circuit components connected in various combinations by wiring the components into an external AC power circuit.

Each component is connected to a 4mm spin-free socket head terminal for either banana plug or wiring connection.

Experiments using Electric Motors, measuring or altering Power Factor, Resonance, Time Constants, Power Dissipation and Oscillators can be performed.

For practical technical work or for industrial use, all devices are insulated to 240 V.AC. rating and all the Resistors and Inductors are rated at 2 amps. If the maximum current of 2 amps should be used, high power dissipation would result. The rear face of the instrument is well ventilated for this reason. Two handles are provided for ease of carrying.

Length: 390mm	Width: 270mm	Height: 255mm	Weight: 9kg

Specification:

Max.Voltage to be applied to any circuit containing these components: 250V.AC. 50/60 Hz.

Max.Current to pass through any component: 2 Amps.

Component	Qty	Value	Rating
Resistor	3	1 Ohm	2 Amp
Resistor	1	10 Ohm	2 Amp
Resistor	1	25 Ohm	2 Amp
Resistor	2	50 Ohm	2 Amp
Resistor	2	100 Ohm	2 Amp
Capacitor	8	8 uF	250V.Wkg
Inductor	1	0.1H	2 Amp
Inductor	1	0.2H	2 Amp

Designed and manufactured in Australia