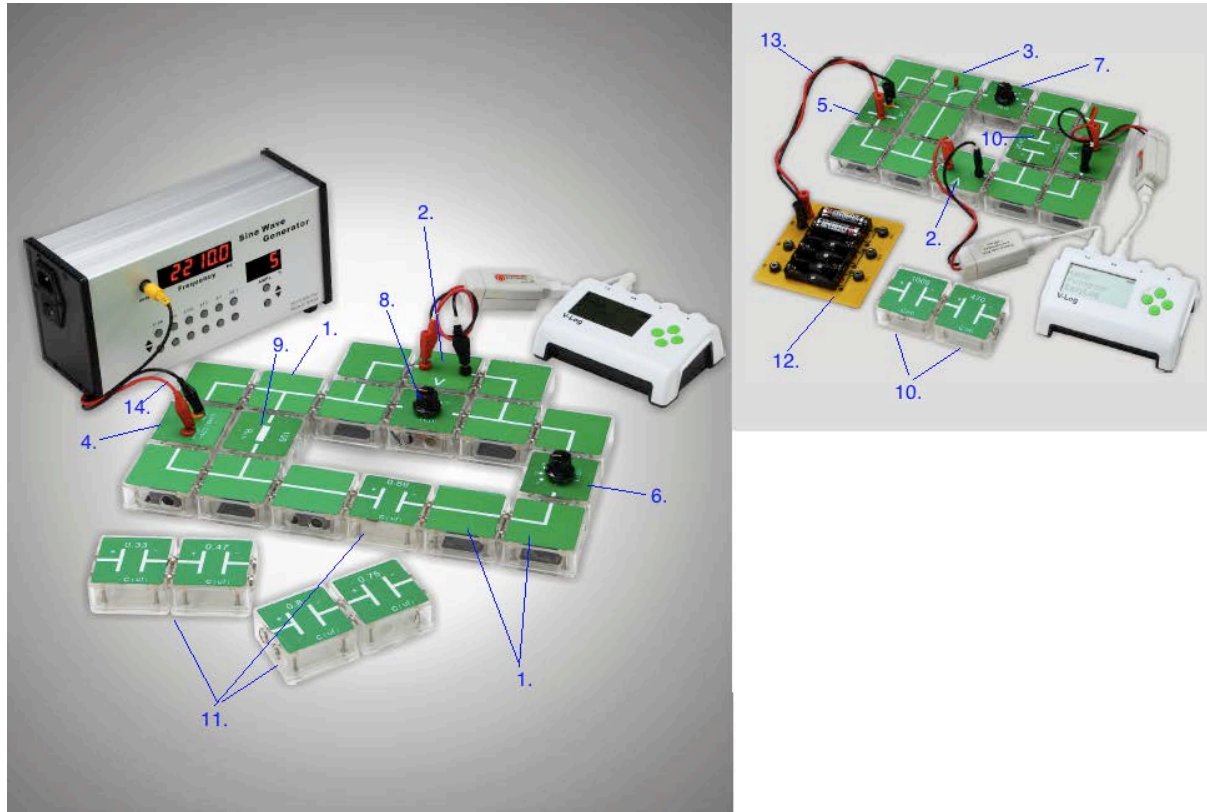


F19 RC & RLC



F19 RC & RLC

Experiments:

1. Investigate the time constant for value of C in charging or discharging process of RC circuit.
2. Learn the resonant-frequency response for RLC in series deployment.

Specification:

Every electric parts set up in a transparency building block made by acrylate plastic size is 60x60x28mm. Each with two or three pairs tache magnetism can easy connect and conduct the electricity with others. Bottom of box with rubber magnet to fix on iron board and box can easy open to replace parts.

1. Connector straight x2, connector angled x6, connector T shaped x4
2. Connector voltmeter x1
3. Connector two way switch x1
4. AC signal input connector x1
5. Connector DC power supply x1
6. Inductive 33mH x1, 99mH x1
7. Resistor 100 Ω x1, 120 Ω x1, 1k Ω x1
9. Capacitor 2200 μ Fx1, 470 μ Fx1
10. Capacitor 0.33 μ F x1, 0.68 μ Fx1
11. DC power supply holder 1.5V/3.0V/4.5V/6.0V/7.5V/9.0V x1
12. Connecting cable with plug x2
13. Adaptor cable plug pair/ RCA plug x1

Option:

1. Sine wave generator x1
2. Datalogger x1
3. Voltage sensor x1