

## Objects

The training systems of electronic circuits are designed for educational practice. All components are separated as in transparent plastic boxes with magnetic stand on a grid panel or without magnetic on a rubber matrix. Circuit assemble is made by leads plug. The training systems are used in some certain experiments, it can be completed according to the written experiment manual and also you can design other more experiments with yourself.

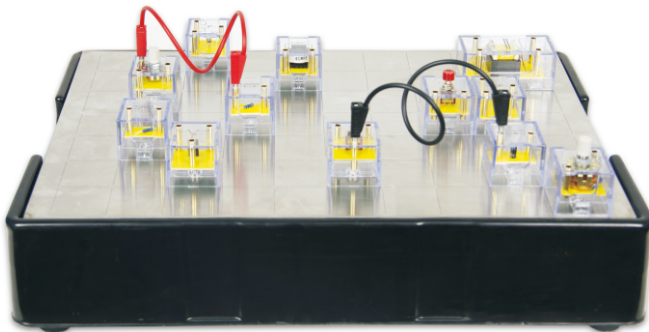
## BASIC ELECTRONIC CIRCUIT TRAINING SYSTEM F1-1

### Features

The training system is used in the analog electronic circuits, it can be completed according to the F1-1 experiment manual. Totally 33 recommend experiments are contained in this system with the corresponding components and more experiments can be designed to do by yourself.

### System contain:

- |                        |        |                      |       |
|------------------------|--------|----------------------|-------|
| 1. Grid panel and tray | 1 pcs  | 4. Experiment manual | 2 pcs |
| 2. Components          | 49 pcs |                      |       |
| 3. Leads               | 40 pcs |                      |       |



## EXPERIMENTS CONTENT

- |                                                 |                                                            |
|-------------------------------------------------|------------------------------------------------------------|
| 1: Series resistors circuit                     | 19: Common collector transistor amplifier circuit          |
| 2: Parallel resistors circuit                   | 20: Constant DC voltage control circuit with transistor    |
| 3: Compound resistors circuit                   | 21: Capacitors in series and parallel circuit              |
| 4: Ohm's law $I = F (V)$                        | 22: Characteristics of PTC resistor                        |
| 5: Ohm's law $I = F (R)$                        | 23: Characteristics of NTC resistor                        |
| 6: Kirchhoff's Laws on voltage                  | 24: Characteristics of the transformer on load and no load |
| 7: Kirchhoff's Laws on current                  | 25: Half-wave rectifier                                    |
| 8: Superposition theorem                        | 26: Full-wave rectifier                                    |
| 9: Thevenin's theorem                           | 27: The function of the relay                              |
| 10: Norton's theorem                            | 28: Inductors in series and parallel circuit               |
| 11: Voltage divider circuit                     | 29: Magnetic induction circuit transformer                 |
| 12: Wheatstone bridge circuit                   | 30: Characteristics of diode in DC circuit                 |
| 13: R, C series circuit in AC circuit           | 31: Characteristics of diode in AC circuit                 |
| 14: R, L series circuit in AC circuit           | 32: Rectifier and filter current circuit                   |
| 15: R, L, C series circuit in AC circuit        | 33: Characteristics of Zener diode                         |
| 16: Characteristics of transistor               |                                                            |
| 17: Common base transistor amplifier circuit    |                                                            |
| 18: Common emitter transistor amplifier circuit |                                                            |