

# BASIC ELECTRICITY & ELECTRONICS TRAINER

# ED-2000E

- 14 experimental boards with mounting rack and storage cabinet
- Analysis of DC and AC circuits
- Electromagnetics experiments



## > EXPERIMENTS

- OHM's Law
- Series and Parallel Connection of Resistor
- Voltmeter and Voltage Measurements
- Amperemeter and Current Measurements
- Ohmmeter and Resistance Measurements
- Single-phase Transformer
- Three-phase Transformer and  $\Delta$  & Y Connections
- Inductance and RL Circuits
- Series and Parallel Connection of Inductance
- Capacitance and RC Circuits
- Series and Parallel Connection of Capacitance
- LC Circuit and Characteristics of Resonance
- KIRCHHOFF's Law
- Bridge Circuit
- Single-phase Half Wave and Full Wave Rectifications
- Magnetic Fields and Generation of Electromotive Force(EMF)
- Relay Characteristics

## > EXPERIMENTAL BOARDS(14EA)

NO-01	OHM's Law
NO-02	Voltmeter
NO-03	Amperemeter
NO-04	Ohmmeter
NO-05	Transformer & Voltage Transformation
NO-06	Inductor & Inductance
NO-07	Capacitor & Capacitance
NO-08	LC Circuit & Resonance
NO-09	KIRCHHOFF's Law
NO-10	Resistance Bridge
NO-11	3-Phase Transformer Connection
NO-12	Relay & Latch Circuit
NO-13	$\phi$ 1 Half & Full Wave Rectifier
NO-14	Generation of Electromotive Force
	» Mutual Inductance Module : 2ea
	» AC $\phi$ 1 Generator Module : 1ea

## ACCESSORIES

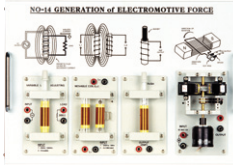
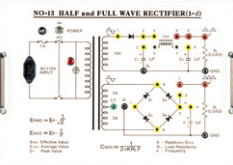
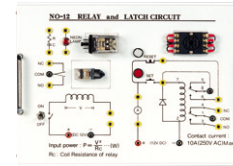
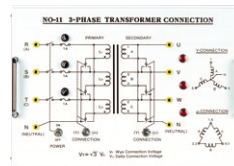
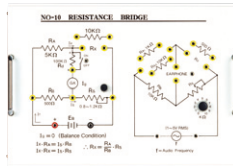
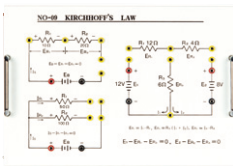
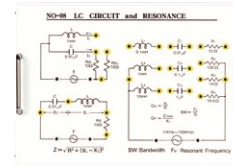
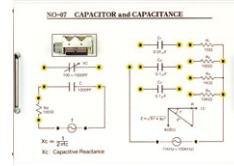
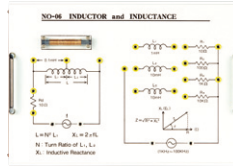
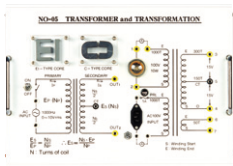
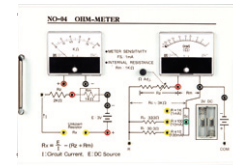
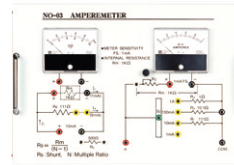
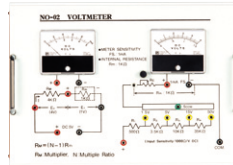
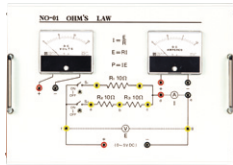
- Experimental Board Rack(BR-3)
  - » 1480(W) x 620(H) x 320(D)mm(Capacity : 3Boards)
- Board Storage Cabinet(BS-14)
  - » 670(W) x 850(H) x 490(D)mm(Capacity : 14Boards)
- Patch Cord( $\phi$ 4 Plug) : 1set
- AC Power Cord : 1ea
- Experimental Manual : 1ea
- Option Modules
  - » AC  $\phi$ 3 Generator(ACG-03), DC Generator(DCG-02)

# BASIC ELECTRICITY & ELECTRONICS TRAINER

# ED-2000E

PART I  
ELECTRICALS/  
ELECTRONICS/  
EMBEDDED

## Experimental Boards



Each board's dimension :  
420(W) x 302(H) x 47(D)mm