

**SCOPE OF LEARNING:**

- SERIES COMBINATION OF BULBS.
- PARALLEL COMBINATION OF BULBS.
- OPERATION OF RELAY.
- OPERATION OF DPDT SWITCH.
- OPERATION OF MAGNETIC COMPASS.
- STUDY OF BAR MAGNET.
- STUDY OF ELECTROMAGNETISM THROUGH ELECTROMAGNETIC COILS AND CORES.
- STUDY OF RESISTOR.
- STUDY OF CAPACITOR.
- STUDY OF DIODE.
- STUDY OF TRANSFORMER.
- STUDY OF OHM'S LAW

TECHNICAL SPECIFICATIONS:

- ONE NUMBER OF AC VOLTMETER: 15V
- ONE NUMBER OF DC VOLTMETER : 30V
- ONE NUMBER OF GALVANOMETER: $\pm 600\mu A$
- ONE NUMBER OF DC AMPERE METER: 0.5AMP.
- ONE NUMBER OF DC AMPERE METER: 5A
- POWER SUPPLIES: POWER SUPPLY: 2- 12V AC/DC AT 3.5A, POWER SUPPLY: 30VDC AT 500A, POWER SUPPLY: 15VDC AT 500MA.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- ONE NUMBER OF SPDT SWITCH.
- ONE NUMBER OF DPDT SWITCH.
- ONE NUMBER OF PUSH SWITCH.
- TWO NUMBER OF LOGIC SWITCHES
- ONE NUMBER OF RELAY 12VDC.
- ONE NUMBER OF BUZZER/CONTINUITY TESTER.
- THREE NUMBER OF BULB (6 V, 0.3A).
- RESISTANCE 1E2/1W, 5E/5W, 50E/5W, 100E/5W, 220E/2W, 470E/2W, 1K/1W, 100K/1W.
- TWO NUMBER OF CAPACITANCE 1000MFD/50V.
- TWO NUMBER OF DIODE IN4007
- ONE NUMBER OF LED (5MM).
- ONE NUMBER OF POTENTIOMETER (10K).
- ONE NUMBER OF BREADBOARD (840 TIE POINTS).
- ONE NUMBER OF FUSE HOLDERS (OPEN TYPE).
- ELECTROMAGNETIC INDUCTION&TRANSFORMER.
- MAIN SUPPLY 230VAC, 50 HZ.

SALIENT FEATURES:

- Twelve numbers of patch cords/ connecting leads.
- Three numbers of magnets (two number of bar type, one number of horseshoe (u type)).
- One number of coil (100 turns) and 200 turns
- Glass Fuses -10 nos. 0.5a
- Compass -1 no.
- Core -1 set of u & i with bolt
- IC - And (IC 7408), Or (IC 7432), Not (7404) and Ex-or gate (ic7486)
- Front Panel Built With High Class Insulated Printed Circuit Board Sheet With Well Printed Circuits And Symbols.
- Fuse For Short Circuit Protection
- Instruction Manual.

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- Connections are brought out through 2mm Brass Sockets.
- Patch Cords 2mm.
- The trainer is housed in ABS Plastic cabinet.
- Size of the trainer set 12"x10"

ACCESSORIES

- MULTIMETER -1 NO.

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