

(Basic and Advance training)

Introduction:

This Learning Kit is a complete kit with Demo Bench, Test Fixtures, Cables & Power Supply Unit. It is useful to demonstrate the basics of Electrical & Electronic components like Fuse, Switch, Relay, Resistor, Diode, Transistor, Logic Gates etc. It is foldable, simple and easy to carry.

It is especially suitable for training of new comers in Electrical, Electronics and Auto sector.

Demo Bench:

- Foldable Type with 2 adjustable angles
- Red sockets row connected internally for +Ve supply
- Black sockets row connected internally for -Ve supply
- Isolated yellow sockets (7 rows) for Test fixtures
- In-built fuse at first Red socket to protect total demo bench
- In-built fuse at last Red socket to protect particular circuit on demo bench

DC Power Supply Unit, 12V/2A + 24V/1A:

- Auxiliary supply input: 90-270VAC, 50Hz
- Output 1: 12VDC @ 2A
- Output 2: 24VDC @ 1A
- SMPS based design
- Short-circuit / Overload protection

Test Fixture Box - A:

- Switch – On/Off (1 unit)
Push to ON (1 unit)
- Glass Fuse – 1A (1 unit)
- Blade Fuse – 5A (1 unit)
- Bulb – 12V (4 unit)
- Bulb – 24V (4 unit)
- Relay – 4-Point (1 unit)
- Flashing Relay – 5-Point (1 unit)

Test Fixture Box -B:

- Resistor – 50Ω/5W (2 unit each)
100Ω/5W (2 units each)
1kΩ/2W (2 units each)
- Variable Resistor / Potentiometer – 500Ω/1W (1 unit)
1kΩ/1W (1 unit)
- Capacitor – 0.1μF/50V (1 unit)
470μF/25V (1 unit)
- Diode – 1A/1000V (1 unit)
6A/400V (1 unit)
- Zener Diode –6.2V/1W (1 unit)
9.1V/1W (1 unit)
- Thermistor – NTC 10kΩ (1 unit)
PTC 330Ω (1 unit)
- Buzzer – 12 ~ 24V (2 unit)

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Test Fixture Box - C:

- LED – Red (1 unit)
Green (1 unit)
- LDR – 10K Ω (1 unit)
- Transistor – NPN (1 unit)
PNP (1 unit)
- Logic Gate – NOT (1 unit)
AND (1 unit)
OR (1 unit)
- Integrated Circuits (IC) – 14 pin SMD (1 unit)
14 pin DIP (1 unit)
E-PROM (1 unit)

Connecting Cables Box:

- Red, 430mm long – 3 pcs
- Black, 430mm long – 3 pcs
- Yellow, 430mm long – 10 pcs
- Red, 1000mm long – 2 pcs
- Black, 1000mm long – 2 pcs

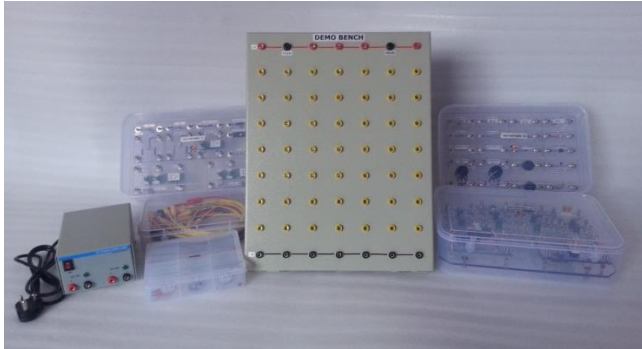
Spares Box:

- Glass Fuse, 1A – 4 pcs
- Glass Fuse, 3A – 4 pcs
- Blade Fuse, 5A – 2 pcs
- Bulb, 12V – 4 pcs
- Bulb, 24V – 4 pcs
- Diode, 1A – 2 pcs
- Diode, 6A – 2 pcs
- Zener Diode, 6.2V – 2 pcs
- Zener Diode, 9.1V – 2 pcs

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Photo Gallery:

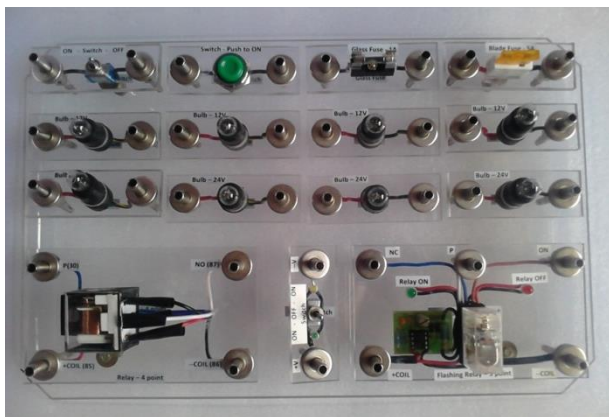
Total Unit



Demo Bench



Test Fixture-A



Test Fixture-B



Test Fixture-C



DC Power Supply Unit



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Connecting Cables



Spares

