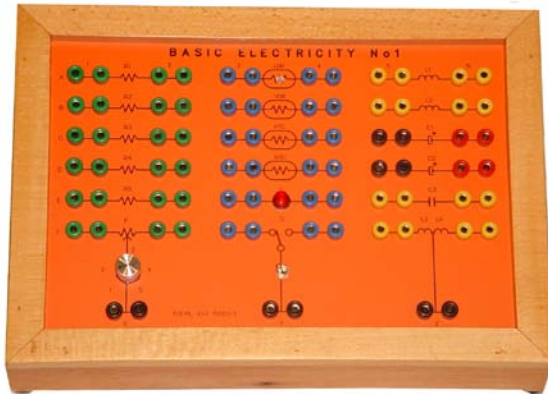


No 1 | ELECTRICITY EXPERIMENTS BOARD



Technical specifications :

The electricity experiments board consists of a printed circuit board in a wooden frame. On the upper part of the board are the circuit imprints of the components with the necessary 4mm sockets for the power supply and measuring instruments connections.

The dimensions of the board are 20x30cm. On the lower side of the printed circuit board are mounted the components that are

protected by a transparent plexi glass cover fixed on the lower sides of the frame. Through this plexi glass cover the students can identify the various components.

The board includes the student's – instructor's experiments manual written according the specifications of the pedagogical institute (experiment's object, execution etc.)

EXPERIMENTS COVERED

- Measurements with a multimeter (Resistance, Voltage, Current)
- OHM's Law
- Connection of the resistances (in series, parallel, combined)
- 1st KIRCHOFF's law
- 2nd KIRCHOFF's law
- LDR
- VDR
- PTC Thermistor
- NTC Thermistor
- Capacitor's Charge – Discharge
- The RC constant
- RL and RC circuits
- Potentiometers – Rheostats
- RLC circuits in series (Resonance)
- RLC circuits in parallel (Resonance)
- Electrical Power and Energy measurements