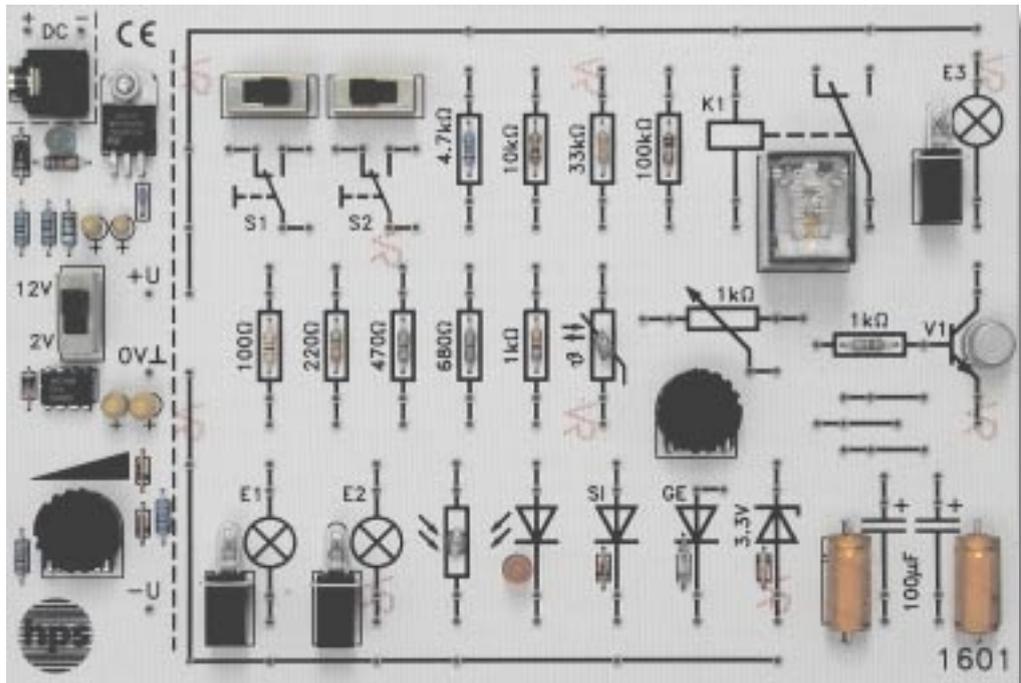


ELECTRONICLAB – a solid basis

for basic experiments in electrical engineering / electronics



ELECTRONICLAB (Type 1601)

- All the components and power sources required for the experiments are integrated in a clear arrangement:
 - 9 resistors, 1 potentiometer, 1 NTC, 1 LDR, 3 diodes, 1 LED, 1 NPN transistor,
 - 3 lamps, 2 electrolytic capacitors, 1 relay, 2 change-over switches,
 - 2 voltage sources (0 ... 12 V DC, -7 V DC)
- Optimum contacting by gold-plated spring connections: no corrosion, low contact resistance
- Also available as a kit for practical soldering exercises, with detailed instructions

Workbook for *ELECTRONICLAB*

The workbook available for the *ELECTRONICLAB* contains numerous experiments for the following topics:

- Electrical circuits
- Basic electrical units
- Handling measuring equipment
- Electric resistances
- Ohm's law
- Series circuiting of resistors
- Voltage divider circuits
- Parallel circuiting of resistors
- Lamp circuits
- Electrical power and work
- Non-linear resistors
- Capacitors
- Diodes
- LEDs
- Zener diodes
- Bipolar transistors
- Electromagnetism
- Alternating current technology
- Rectifier circuits
- Series and parallel circuits of voltage sources

Technical data

- Power supply: 12 V DC (from plug-in power pack provided)
- Variable output voltage: 0 ... 12 V
- Fixed output voltage: approx. -7 V
- Dimensions of board: 190 mm x 130 mm

Recommended measuring equipment

- Simple multimeter
- hps Measuring Interface (type 1620.1)
(function generator and measured value acquisition in connection with a PC)