

→ ELECTROKIT

BASIC ELECTRONIC TRAINING SYSTEM

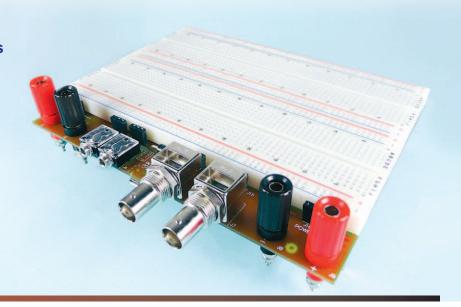
The "ELECTROKIT" training system is a very simple teaching equipment to guide students through their first steps in the field of Electronics. It consists of a breadboard plate mounted on a printed circuit platform where power supply and signals are distributed, in order to use them in practical experiments.

The set is compact and portable so students can begin the practices in the study centre and continue with them at home to increase the knowledge acquired.

Due to its low price, the "ELECTROKIT" system highlights as an interesting element for vocational schools and for first courses in faculties where basic electronics is taught.



- ✓ Breadboard with 1660 holes Micro USB connections, BNC, jack 3.5"...
- ✓ 6 modules in 21 practices.
- It includes a tester for direct and alternating current.
- The set is stored and transported in a shockproof compact suitcase







BASIC ELECTRONIC TRAINING SYSTEM

Practices and proposed agenda

MODULE 1: The Multimeter

- Ohm's law
- Voltage, current and resistance measurements

MODULE 2: Passive Components

- The Resistance
- The Potentiometer
- The Capacitor

MODULE 3: Components association

- Serial Circuit
- Parallel Circuit
- Voltage splitters

MODULE 4: Active Components

- Diode: Diode Semiconductor, LED Diode, Zener Diode
- The Transistor: Principles of Operation, Polarization, NPN Transistor, PNP Transistor

MODULE 5: Logic Gates

- AND gate
- OR gate

MODULE 6: Circuits

- Stabilized power supply
- Common Emitter Amplifier
- Circuit switch of light presence



Case
Compact, lightweight and strong



Pocket tester for AC and DC current



Capacitors, diodes, transistors...



With adjustable cutting diameter



Clamps and gauge trimmer



V output, MicroUSB standard connector

Specifications	EE-001 "ELECTROKIT" Basic electronic training system
PD-001 Digital multimeter DC/AC current DC/AC current Resistance Capacitance Frecuency Diode Continuity	600 V 40 mA to 400 mA 400 Ω to 40 MΩ 4 nF to 100 nF 0 to 100 kHz 2.7 V Acoustic indication (< 50 Ω)
Test circuit Connections and integrated components	Breadboard with 1660 holes 4x banana connectors, 2 x 3.5 mm jack stereo, 2 x BNC, 1 x microUSB, 1 x Diode
Proposed practices	21 proposed practices divided into 6 learning modules
Power supply	Input: From 100 to 240 V 50/60 Hz, Output: 5 V, 500 mA. Output MicroUSB.conection
Tools and accessories	Components (resistances, capacitors, ZENER diode, LED diodes)

