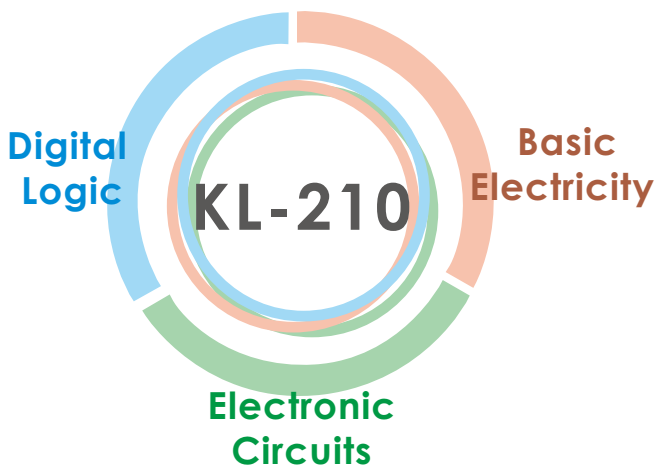


KL-210

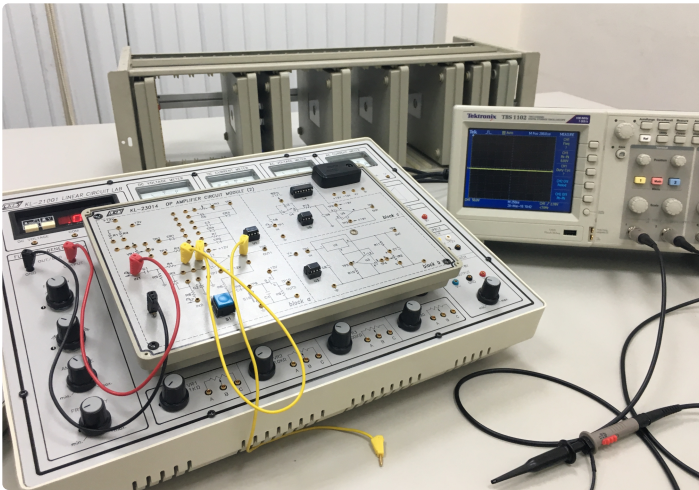
Basic Electrical / Electronic Circuit Lab

With the advancement of industry, electricity and electronics play key roles in technology, but how to apply it flexibly becomes an important skill of electronic engineers.



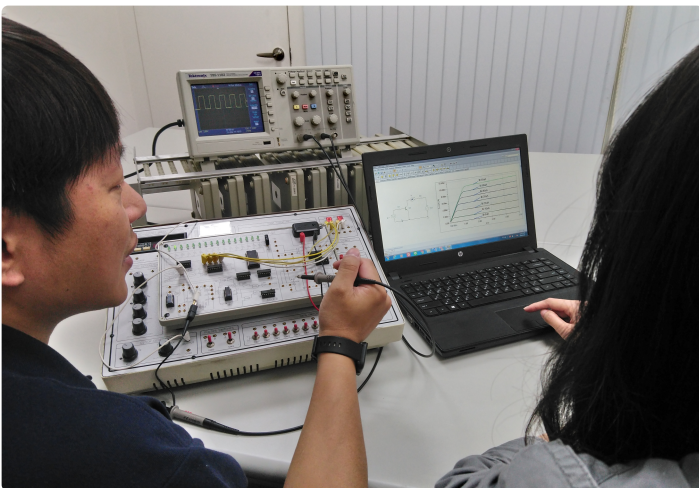
KL-210 includes basic electricity, electronic circuits and digital logic, suitable for electrical, mechanical, automotive and electronics engineering students.

Easy-to-use learning platform design



KL-210 integrates the power supplies, signal generators, and measuring instruments; replaceable module design allows users to change experiment topics freely to improve learning efficiency and quality.

Complete teaching manual



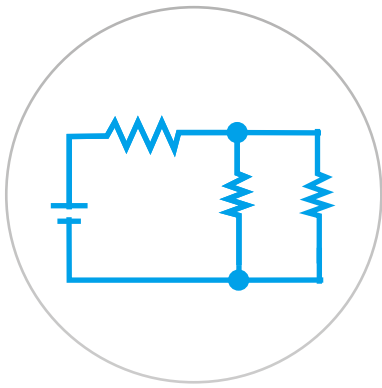
KL-210 includes basic electricity, electronic circuits and digital logic, complete user manual with various experiments from simple to complex.

Advanced Learning Course (optional)

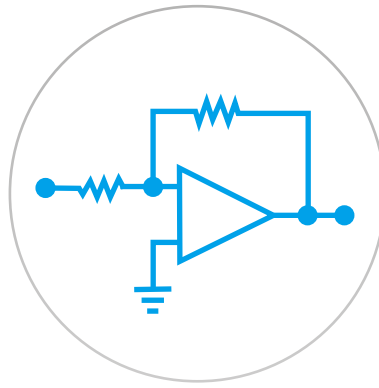


K&H also designed a series of motor control experiments to provide users with further learning about motor control technology, such as motor start, stop, overload control and forward/reverse control.

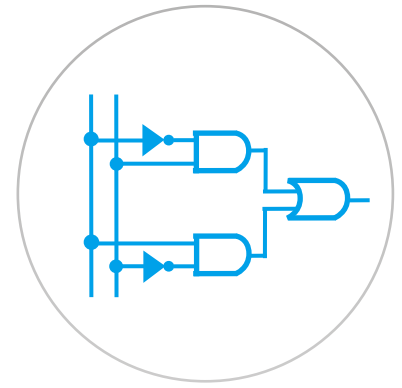
Thematic Learning



Basic Electricity



Electronic Circuits



Digital Logic

List of Experiments

- Basic Electricity
 - ◆ Ohm's law application
 - ◆ DC Circuits
 - ◆ AC Circuits
 - ◆ Water level controller
 - ◆ Metal detector
 - ◆ Light controller
- Electronic Circuits
 - ◆ Diode Characteristics
 - ◆ Rectifiers and Filters
 - ◆ Diode Clipping and Clamping Circuits
 - ◆ Differentiator and Integrator
 - ◆ Transistor Characteristics
 - ◆ Transistor Amplifiers
 - ◆ Multistage Amplifiers
 - ◆ FET Characteristics
 - ◆ FET Amplifiers
 - ◆ OPA AMP Characteristics
 - ◆ Basic OP AMP Circuits
 - ◆ OP AMP Applications
 - ◆ OP AMP Comparators and Oscillators
- Digital Logic
 - ◆ Characteristics of basic logic gates
 - ◆ Combinational Logic Circuits
 - ◆ Adders and Subtractors
 - ◆ Encoders and Decoders
 - ◆ Multiplexers and Demultiplexers
 - ◆ Arithmetic Elements
 - ◆ Sequential Logic Circuits
 - ◆ Sequential Logic Applications
- Motor Experiments (Option)
 - ◆ Motor start, stop and overload control
 - ◆ Motor forward/reverse control
 - ◆ Motor sequence control
 - ◆ Motor alternatively running control
 - ◆ Wye-delta reduced voltage starting of three-phase induction motor