

Biomedical Measurement Training System

KL-730

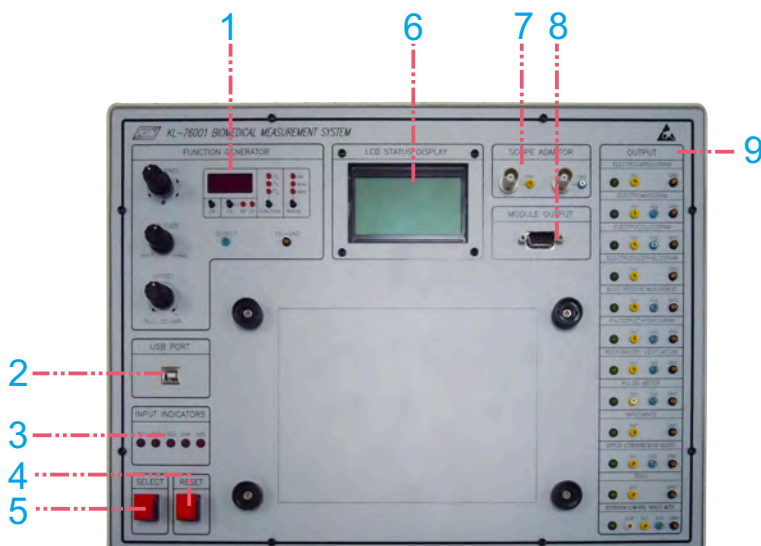


● Features

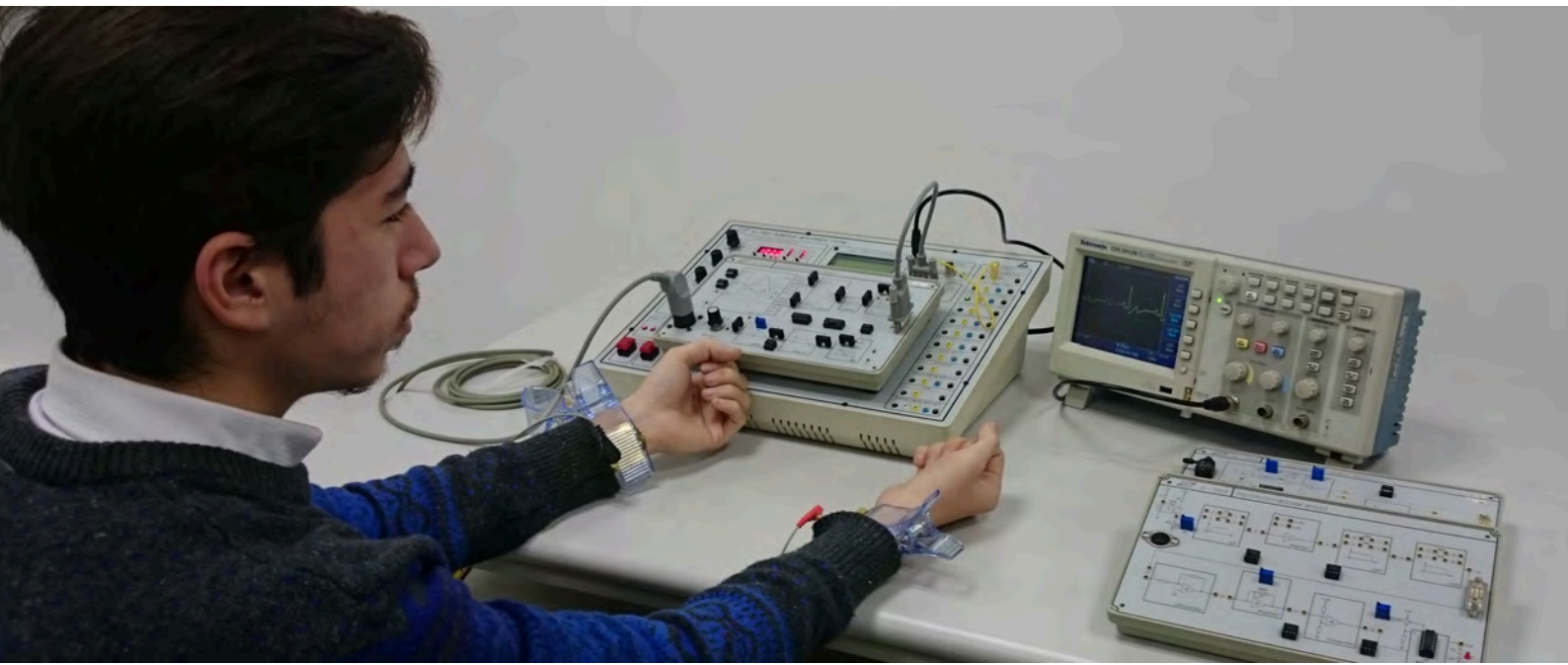
How to give electronics students the knowledge of Bio-electronics sensors, or conversely, how to let biomedical students easily obtain knowledge of Bio-electronics sensor and relevant sensor circuits?

KL-730 introduces commonly-used Bio-electronics sensors, which are very useful to electronics and biomedical students. Moreover, KL-730 collects all needed accessories for measuring 12 types of body signals and conducting the experiments, it is a good auxiliary trainer for teachers as well.

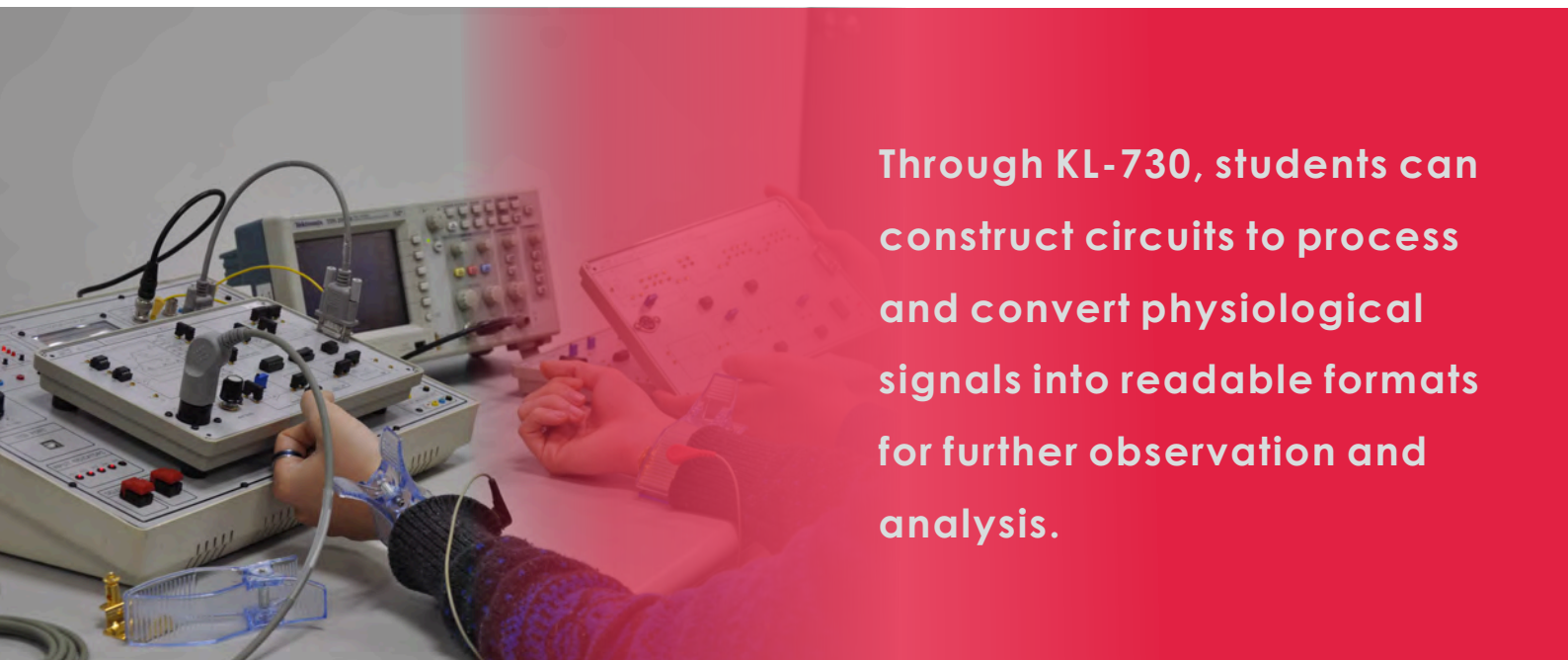
● Main Unit (KL-76001)



1. Function Generator
2. USB communication
3. Input Indicators
4. Reset button
5. Select button
6. LCD Status Display
7. BNC Adaptor Connector
8. Module Output connector
9. Output unit

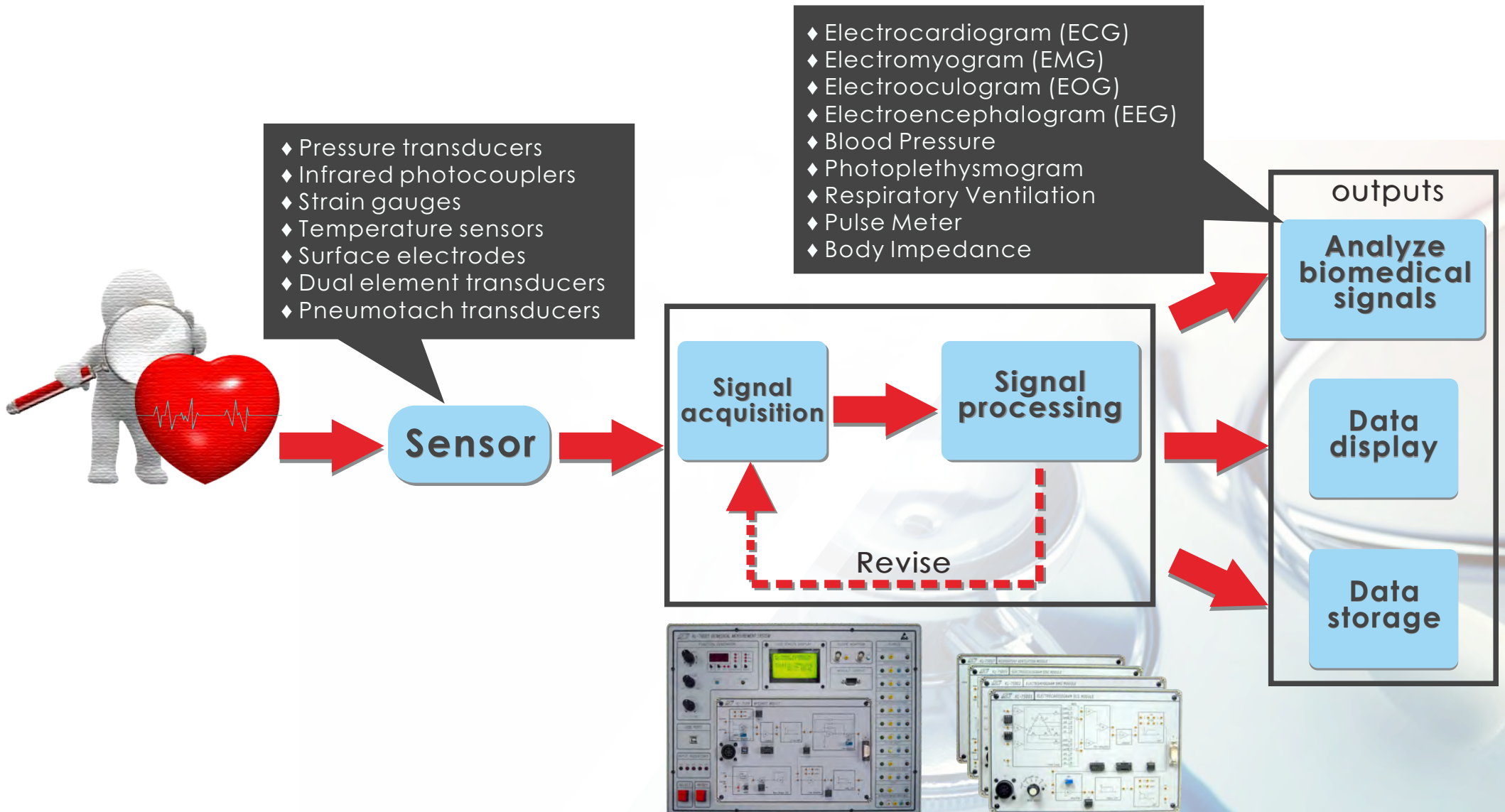


The purpose of KL-730 is to help students learn the techniques of acquiring and measuring physiological signals and relevant circuit design. Hands-on practices and experiments enable students to understand the characteristics of various bio-electronics sensors and how to design conversion circuits.



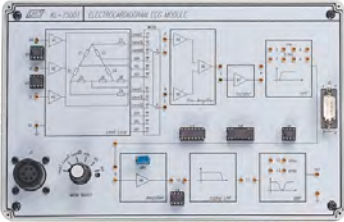
Through KL-730, students can construct circuits to process and convert physiological signals into readable formats for further observation and analysis.

● The Schematic Block Diagram of Physiological Signal Processing



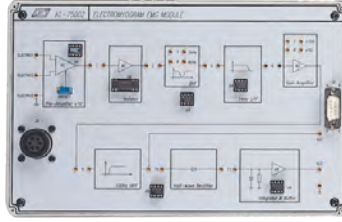
● Module Units

KL-75001



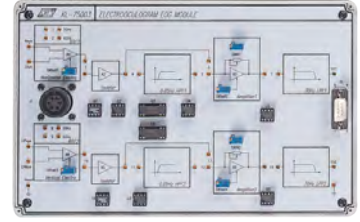
Electrocardiogram
ECG Module

KL-75002



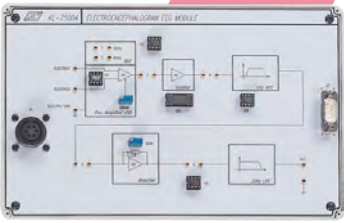
Electromyogram
EMG Module

KL-75003



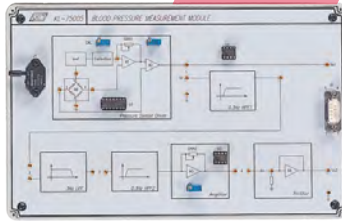
Electrooculogram
EOG Module

KL-75004



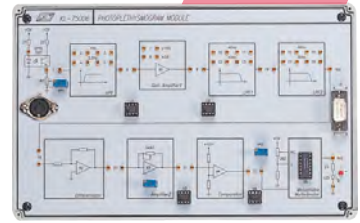
Electroencephalogram
EEG Module

KL-75005



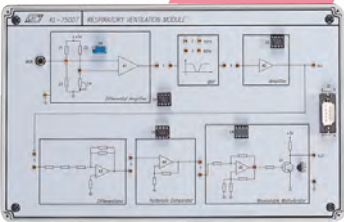
Blood Pressure
Measurement Module

KL-75006



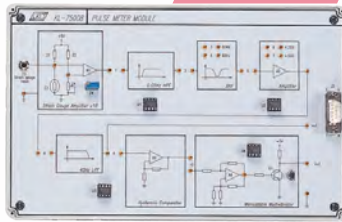
Photoplethysmogram
Module

KL-75007



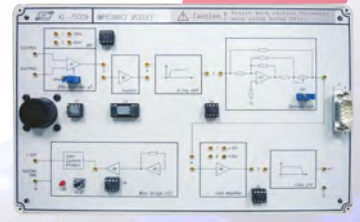
Respiratory Ventilation
Module

KL-75008



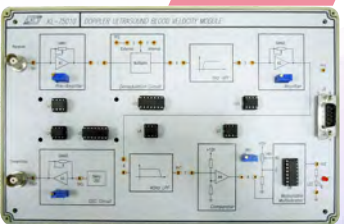
Pulse Meter Module

KL-75009



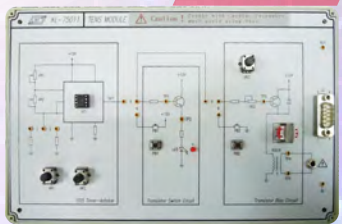
Impedance Module
(People with cardiac pacemaker
must avoid using this)

KL-75010



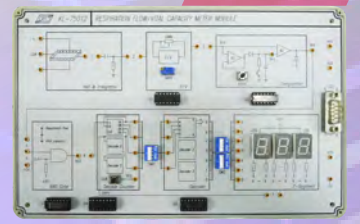
Doppler Ultrasound
Blood Velocity Module

KL-75011



TENS Module
(People with cardiac pacemaker
must avoid using this)

KL-75012



Respiration Flow / Vital
Capacity Meter Module