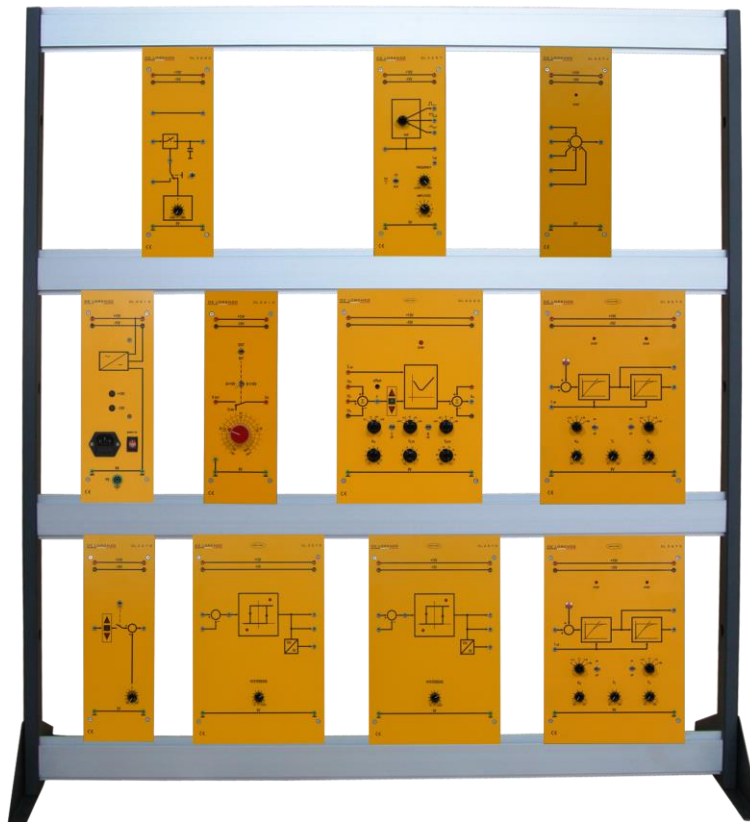




Discontinuous Automatic Control - DAC



This laboratory is designed for the study of Discontinuous Automatic Control systems where the controller is composed of a an element with discontinuous intervention. A discontinuous controller is characterized by an output having two or more fixed states and its value is switched among these states according to the input value.

This trainer has a modular structure and it consists of didactic panels installed on a vertical frame. It is supplied with a theoretical and practical manual. The modularity of this didactic system can give the students a direct and immediate approach to the topics, offering the opportunity to study various subjects, performing several experiments as following:

- Two position controllers, three range controllers
- Sampling acquisition techniques
- The two position controller in a 1st order process
- The three range controller in a 2nd order process
- The two position controller with delayed feedback in a 2nd order process
- The two position controller with elastic feedback in a 2nd order process
- The sampling control in a 4th order process

