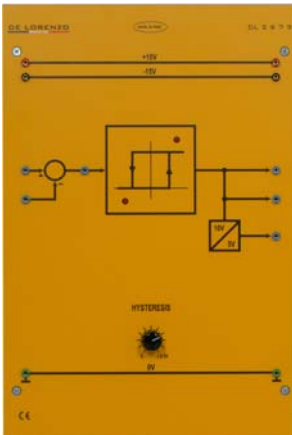# AUTOMATIC CONTROL TECHNOLOGY

Two Position Controller

DL 2679

Two position controller for discontinuous closed loop control systems. It is provided with an input summing point to which the reference variable (non inverting input) and the controlled variable (inverting input) are connected. By means of two led the binary state of the controller, whose hysteresis can be changed, is visualized. The controller is provided with two binary outputs at different voltages.

Technical features:
Power supply: +15 V ; 0 V ; -15 V
Input summing point
Signal voltage range: -10V, ..., +10V
Output voltages: 0/+5 V ; 0/+10 V
Adjustable hysteresis: 0 .... ± 2.5 V.

Sample and Hold Element
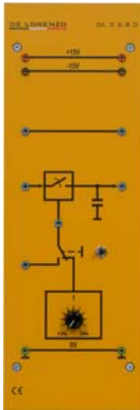
DL 2680

Used to discontinuously sample the behaviour of a continuous control on a process.
The sampling frequency can be provided by the generator which is integrated in the module or by an external signal.

Technical features
Power supply: +15 V ; 0 V ; -15 V
Signal voltage range: -10 V, ..., +10 V
Sampling frequency: 0,2 .... 20 Hz

Motor-Generator Set

DL 2681

It represents a process for the control of the speed of a dc motor.
In this module an electric motor and a generator are coupled through a flywheel in order to increase the momentum of inertia of the whole system.
A motor speed transducer provides a feedback digital signal; through a D/A converter such signal is available also in analogue form.

Technical features
Power supply: +15 V ; 0 V ; -15 V
Electric power of the motor: about 10 W
Maximum speed of the motor: 3000 min-1
Output power from the generator: about 4 W
Output voltage from the generator: 0 .... 20 V cc
Digital output from the speed transducer:
60 pulses/rotation
Analogue output from the speed transducer: 1V/1000 rpm.